

WORLD STAINLESS STEEL

Annual Procurement Report 2020

Cover story:

Reaching for the skies...
aerospace propels HARALD PIHL
to greater heights

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Stainless Steel World Annual Procurement Report 2020

Stainless Steel World is the global magazine for corrosion resistant alloy users, suppliers and fabricators.

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Times of resilience and fortitude



"The only way around is through."

Robert Frost, 1874 – 1963,

American poet

When the Stainless Steel World team began making preparations for the 2020 Annual Procurement Report back in January, we had no idea of how this year would develop. It has certainly been a year for the record books, and every country, every person, has been affected by the pandemic. As 2020 approaches its end, our thoughts are turning to 2021 and what it may bring.

One thing that will remain constant, as it has this year, is the drive of our industry to continue to excel and serve customers wherever they may be located. The stainless steel supply chain – from manufacturers to suppliers to distributors to end users – has proven itself to be resilient and flexible. All of you have had to rapidly adapt to the personal, logistical and practical challenges that have been thrown up this year. From staff working from home, to disrupted deliveries, to delayed projects and delivery schedules, it seems that every test was thrown your way.

It is with no small amount of pride that the industry can look at how it has adapted and overcome these challenges to continue to serve its markets.

In your hands you have the Annual Procurement Report, and it is my hope that this reference book will help you in the coming year to continue to prosper. Resilience is a quality that is not gained in times of easy living and booming markets. The industry has come through a tough year, and the year ahead may well bring further changes. The Stainless Steel World team are here to help you through and support your business.

Best wishes,

Mrs Joanne McIntyre
Editor in Chief of Stainless Steel World
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Reaching for the skies... aerospace propels HARALD PIHL to greater heights



Managing Director Jonas Pihl (left) addressing his team in the Swedish office at the end of a record breaking year in 2019.

The past year has seen records shattered left and right at Swedish distributor HARALD PIHL. The recent years have been a long period of rapid growth, from turnover and new global locations to investments in value-added services. The start of 2020 has been a roller coaster ride including continued growth but also facing the virus crisis spread across the world and the drastic change of the business climate. Stainless Steel World spoke to Managing Director Jonas Pihl to hear more about how this innovative company is steering ahead in the international markets for high-end alloys.

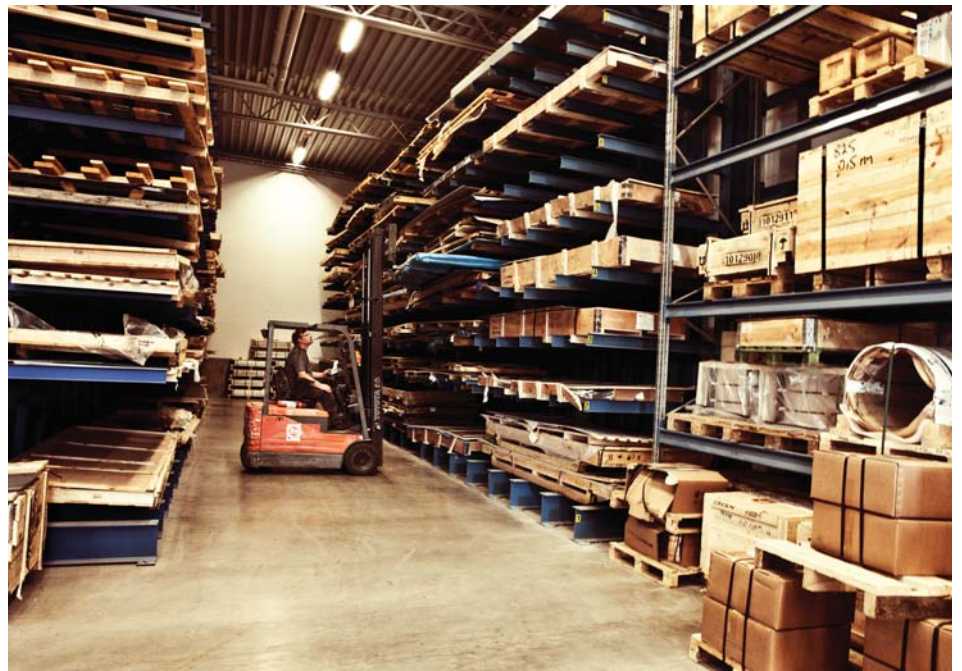
By Joanne McIntyre

As a supplier of special metals, HARALD PIHL has always maintained a strong focus on reliability, quality and speedy delivery. However, this doesn't mean they can't also have fun, and Jonas's business philosophy has imbued the company with a strong sense of identity

that embraces innovation, flexibility and inclusiveness.

"We've created an atmosphere here where everybody's ideas are valued and embraced," begins Jonas. "It is fantastic to see how everyone understands this philosophy and is

enthusiastic about contributing ideas on how to do things better tomorrow than we do today. It's gratifying to know that they have responded to my call to pursue constant improvements. So many good ideas have come from our people, it's truly a team effort."



HARALD PIHL stocks Europe's most extensive range of nickel, titanium and copper alloys.

Record-breaking turnover

The inclusive environment certainly pays off for the innovative HARALD PIHL team. 2019 was a bumper year for the company, with turnover increasing by 35% across the board. "Of course we are delighted with this result, and especially with the fact that we grew across all of our markets."

"Our customers are also pleased to see that we are doing so well, because they know we are a reliable and trustworthy partner. Dedication to excellence and a constant drive to improve pay off for them as well. They know us as their 'go-to' supplier for Europe's most extensive range of nickel, titanium and copper alloys, and guaranteed on-time delivery. Our success helps them to achieve their goals as well."

Roaring ahead with motorsport

One of the stepping stones to HARALD PIHL's success was the company's entrance into the motorsport industry. "A few years ago, we were approached by one of the largest players in motorsport to supply nickel alloys and titanium for high-performance vehicles. We were, of course, happy to comply! The demands placed on suppliers to

"We're the go-to supplier for Europe's most extensive range of nickel, titanium and copper alloys"

motorsport are very high; as a result, our involvement led to us implementing improvements across our business. In time, this resulted in doors opening for us into the aerospace industry. Because the stringent quality demands for motorsport are quite similar to those for aerospace, this was a logical progression for us."

The sky is the limit with aerospace

From those early days, the HARALD PIHL team has built up years of experience supplying aerospace alloys to the aviation industry. Stock includes a wide range of high temperature and corrosion resistant aerospace metals including titanium Grade 5

AMS and Grade 5 ASTM. The quality management system is approved and registered to ISO 9001 and AS9120, and the company is an approved source for many of the key aerospace manufacturers, including Europe's largest supplier of aircraft.

"Our focus is on supplying aerospace materials to the European aerospace industry, and in particular we've increased stock levels of Western aerospace titanium" continues Jonas. "With strong demand for high-end nickel alloy and titanium alloys, it's a lucrative but very demanding industry with the most stringent demands. We now have a dedicated team in-house who focus on servicing our aerospace clients. The number of approvals we have attained for aerospace companies is a good indicator that we are on the right path." Indeed over the past year, the company has gained several new accreditations for the aerospace industry in its drive for contact improvement.

Experts in metal since 1912

HARALD PIHL is a family company with a long history. The company was founded in 1912 by HARALD PIHL and is still today, over 100 years later, managed by the fourth generation of the Pihl family. Being in business for so long, it has established contacts all over the world and the team has gained a vast knowledge of metallurgy.

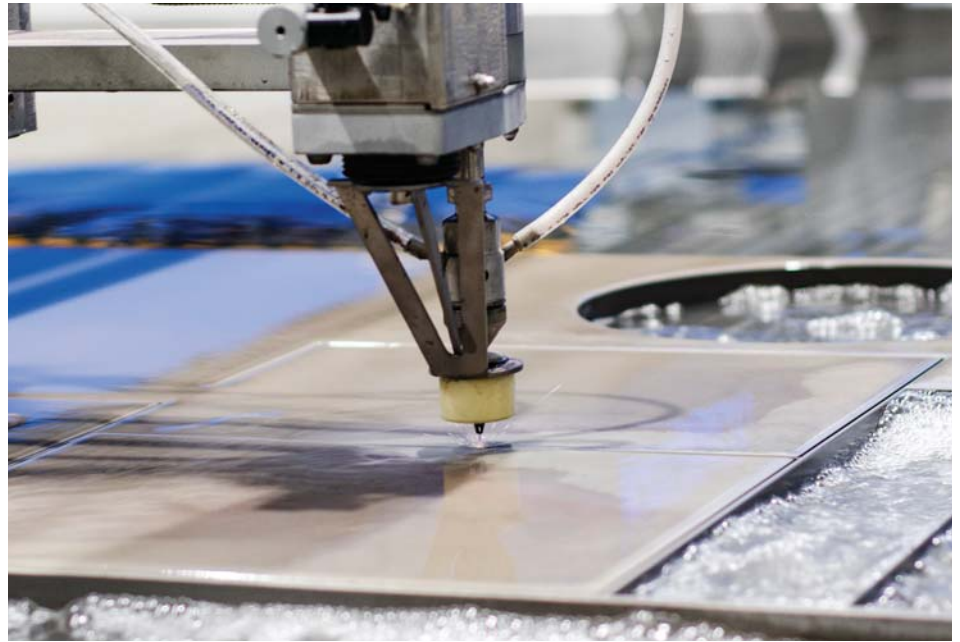
Current world situation

“The worldwide outbreak of Covid-19 has not passed unnoticed,” explains Jonas. “We are still doing well, but the market is struggling which results in harder competition. We have maintained our turnover quite well but our margins have suffered compared to last year. Fortunately, the investments we’ve made in previous years have been fruitful and this has been evident in 2020 despite the severe situation. We have taken the situation very seriously. We went out very early with our instructions for Covid-19 to our staff, the majority of whom are working from home. Our sites are closed to visitors, and only visits of the highest importance are permitted. We feel it’s important to respect the situation and do the maximum that is possible. Let’s hope the situation is soon resolved.”

As the supply of high-end alloys to the aerospace industry has grown to achieve greater importance to the company, it has driven the HARALD PIHL team to enforce the highest possible quality controls in its business practices.

“Becoming a leading supplier to the aerospace industry involved us adopting a new way of thinking across the company,” explains Jonas. “We continue to push ourselves. For example, one of our most recent investments is a new, top-of-the-range system for inspecting incoming goods. We put a great deal of energy and thought into it this investment. Our quality systems were good before, but now the level is outstanding. It has raised the quality bar and created a lot of positive spin-offs in every aspect of our business.”

“The aerospace industry does not tolerate a single mistake; it literally has a zero-tolerance level. Meeting these demands is benefitting all of our customers; they have total trust in what we are doing. And



The company's waterjet cutting services are operating 24/7 to provide value-added products to customers.

our motorsport business is also continuing to grow because they see that we have outstanding quality. It’s a nice circular effect.”

Waterjet cutting services

HARALD PIHL has offered waterjet cutting as a service to its customers for many years.

“By combining our extensive knowledge in special alloys and titanium together with our cutting service, the customer gets a complete service where both material and waterjet cutting can be purchased directly from our warehouse,” explains Jonas. Waterjet cutting is ideal for materials that are sensitive to the high temperatures generated by other cutting methods. It is also an environmentally friendly method with high cutting-accuracy. The high standard of quality and fast delivery HARALD PIHL is known for has made waterjet cutting a great success for them and is their fastest-growing component.

Jonas explains: “Due to demand we recently had to invest in a second waterjet cutter. We hit maximum capacity around six months ago, so expanded our warehouse in Stockholm by 40%, and purchased a new machine. Today both waterjet cutters are working 24/7 providing custom-cut products to our clients.”

Global expansion

With business doing so well, it is no surprise to hear that HARALD PIHL continues to expand its presence around the globe. The company now has fourteen sites all over the world (including agents), with the latest office opening taking place in Vietnam. “We are also focusing strongly on further expanding our reach into the German market at the moment,” explains Jonas. “We are moving to new, bigger and more efficient premises in Germany. There are many opportunities for us to expand our market share in Germany further.”



Jonas encourages a feeling of inclusivity and involvement in the company, which has a young and innovative team.

Europe’s largest stock of Ni & Ti alloys

HARALD PIHL stock and trade sheet, plate, strip, bar, wire, tube, pipe and welding material. Its stock includes nickel-based alloys, heat and corrosion resistant alloys, titanium and titanium alloys, copper alloys and stainless steel among other materials, in purpose-built service centre 20 minutes north of Stockholm.

The company's success and geographical expansion have also in required an increase in staff numbers. "One very interesting example is our newest recruitment, Mr. Ingo Stiebe who will start as our new Managing Director in Germany at the end of 2020. Recruitment of good staff is not only focused in our international offices but also at home in Sweden. These have included the appointment of an aerospace specialist, whom Jonas fondly refers to as the "Wayne Gretsky" of aerospace, to oversee the company's expansion into this sector, applications for certifications, etc.

Efficient online systems

One important area HARALD PIHL is regularly improving is their online presence and ordering systems. The company's accessible website is self-explanatory with a good overview of what's on offer. Customers can



Supplying high-end alloys to the aerospace industry has driven the HARALD PIHL team to enforce the highest possible quality controls.

easily find what they need online. The company has an unusually transparent system in place, where the customer can see online exactly what is in stock. The system is highly beneficial for the

customers as they know immediately what stock is available and when new stock will arrive, saving them precious time.

Jonas explains: "Our customers can easily track the progress of their order, see when it will be ready to be packed, collected or shipped. Customers can also see if they have invoices that are due to be paid, and download documents such as product certificates or new invoices. Furthermore, repeat orders can be placed with the simple click of a button."

Internally this platform is also used for delivery monitoring. "We are usually keeping track of up to 250 incoming shipments at a time, so we've created a system where everyone in the company can monitor these pending deliveries. Literally everyone from sales to the warehouse has access to this system, making us even more efficient and transparent. The result is that we can all very clearly communicate about the deliveries to our customers."



Increasing demand has seen the number of locations rise to fourteen, with a new facility opening in Germany shortly.

Facts & Figures

Name:	HARALD PIHL AB
Founded:	1912
Headquarters:	Taby, Sweden
Offices:	Finland, Germany, Denmark, Norway, Poland, UK, Italy, China, Turkey, Indonesia, India, Vietnam, Czech Republic.
Products:	Nickel alloys, titanium, welding materials, copper alloys
Website:	www.haraldpihl.com

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A.D. TUBI INOSSIDABILI SPA

A.D. TUBI INOSSIDABILI is a world premiere manufacturer of WELDED TUBES with its headquarters in Italy in Casnate con Bernate, a wholly owned subsidiary in the USA - A.D. TUBI USA INC in North Carolina - and a sales office in Shanghai - A.D. TUBI CHINA.

The company is privately owned and completely independent, and is perfectly fitted to satisfy worldwide demand for WELDED TUBES made of stainless steel, 6 Moly, duplex, nickel alloys and titanium, serving high demanding markets within the heat transfer industry and other special applications: Power generation (Nuclear -Solar -Geothermal etc.) Oil & Gas, Chemical and Petrochemical, Desalination, Pharmaceutical and others.

Producing straight and low-stress U tubes supplied typically for condensers, feedwater heaters, evaporators and regular heat exchangers, A.D. TUBI manufactures an outstanding quality product supported by internal R&D, fully equipped labs, a complete array of testing devices and state-of-the-art workshops run by trained and skilled personnel. Several approvals achieved testify the attention to quality and the respect of the most stringent requirements: ISO 9001, 14001, 18001, AD2000, PED & NACE, GOST R, LLOYD'S, RINA.

Health, Safety and Environmental policies are strictly followed to allow sustainability of business.

New within the group is ADTUBI Advanced, created for the manufacture



of new tube products, aiming at developing new tubular products and cooperating with research centers to explore new materials that offer improved performance for heat transfer applications, which represents the main market for the company. With the motto "Tubes and More" ADTUBI Advanced is preparing the road for the future of the tube business.

The company has been experiencing a tremendous growth along the years and has been constantly reinvesting generated profits in new equipment, training of employees, and research carried out by its internal R&D department, often together with Milano engineering university (Politecnico). The aim is to continuously improve its production and service. At the same time A.D. TUBI is supporting some local associations engaged in social

support by constant donations and sponsoring an association - Briantea84 - covering five Paralympic areas.

A.D. TUBI's cohesive and motivated team offers a smooth experience and full customer support, partnering with its customers/users to help them face the challenges resulting from nowadays continuously changing business scenarios.

Flexibility, reactivity and reliability are the characteristics that make relationships with AD TUBI profitable for all involved parties.



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Amari Metals

Amari Metals is a consortium of businesses trading under their own brands. We are Stockist, processors and distributor of high value metals to customers that require them for their production process. Amari Metals companies are able to deal with complex supply chains or individual customer requirements.

Amari Metals provides a diverse range of materials and services to meet the ever changing demands of our customers and our extensive product range includes Stainless Steel, Aluminium, Copper and Nickel alloys in all product forms. Amari Metals companies are able to supply complete 'multi- metal' packages no matter the size or complexity.

Amari Metals provides a diverse range of materials and services to meet the ever-changing demands of its customers. It is financially strong, independent and able to supply and to buy at any level from the world's best manufacturers.

The De-centralised management keeps our business Quick, flexible, focused and close to our customers in each market, our aim is to become the most respected and reliable distributor of



metal & related products and we will do this by eliminating risk for customers and fulfilling a pivotal role in their quality critical supply chains.

Amari Metals operates throughout Europe and the United Kingdom and has a number of businesses in Australia and New Zealand.



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Aperam Stainless Europe

Who is Aperam?

Aperam is a global player in stainless, electrical and specialty steel, with customers in over 40 countries. Aperam has 2.5 million tonnes of flat stainless steel capacity in Europe and Brazil and is a leader in high value specialty products, including electrical steel and nickel alloys. Its production capacity is concentrated in 6 main production facilities located in Brazil, Belgium and France.

With the goal of offering a tailor-made stainless solution for every customer, Aperam caters to clients worldwide through its integrated network of 14 steel service centres, 6 transformation facilities for precision strip and flat bars, and 17 sales offices. Aperam's extensive range of innovative stainless steel solutions includes coils sheets, blanks, plates, tubes and flat bars.

Thanks to its comprehensive product portfolio, Aperam serves a large range of industries, including: automotive, household appliances, food processing, catering, heating, architecture, building and construction, desalination, oil & gas, nuclear power, chemical processing, and transportation.

Backed by strong R&D and technical support teams, Aperam produces:

- Martensitics
- Standard ferritics
- Stabilised ferritics
- Austenitics with Manganese
- Standard austenitics series (304, 316L)
- Duplex grades



Aperam now provides an extensive range of duplex stainless steels, including the Norsok-qualified superduplex DX2507/ DX2205 for the oil and gas industry and exhaust gas cleaning systems (scrubber).

What makes us unique?

- Leading global stainless and specialty steel producer
- Long-term growth potential of the stainless and specialty steel industry
- Global, integrated distribution network and proximity to customer
- Leading R&D capabilities

Our values Leadership

A catalyst is not a pioneer in everything it does. Instead, it is about being bolder and more audacious in its approach while remaining relevant to the marketplace. Aperam is a stable driving force that encourages the development of new standards in the industry and while also promoting sustainable solutions.

Agility

An agile company is fast, adaptable, and flexible. At Aperam, being agile means moving fast and adapting to the changing market conditions with ease. It is also about being flexible according to specific customer requirements, whether in terms of cost efficiency, lead time or product characteristics.

Ingenuity

An ingenious company is clever, skilful, imaginative, and innovative. At Aperam, ingenuity is about thinking laterally, not literally. The company's people are passionate and always keen to share their knowledge and skills. Sometimes this means developing new ideas or applications, while other times it implies seeing things differently in order to find the appropriate solution without compromising quality.



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Arcus Nederland B.V.

Pipes, flanges and fittings

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Arcus is a leading stockist of stainless steel pipes, flanges and fittings, cooperating with fully certified and carefully selected manufacturers and acting as exclusive distributor in Europe for precision tube manufacturer BSS. Arcus stocks both European and Asian origin products. The customers of Arcus include the (petro) chemical industry, food- and dairy industry, process equipment, ship building and on & offshore. Material certificates are available on a digital portal on the website of Arcus, 24 hours a day.

Material grades from stock:

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- 321/321H (1.4541)
- 316/316L (1.4401/1.4404)
- 316Ti (1.4571)
- 310S (1.4548)
- 904/904L (1.4539)
- (Super) Duplex
- Nickel Alloys



Sizes from 4 mm up to 2000 mm - 1/8" up to 80"

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- Brielle, The Netherlands
- Heerenveen, The Netherlands
- Groot-Bijgaarden, Belgium
- Weilerswist, Germany
- Leipzig, Germany
- Essen, Germany



Watch our company movie



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ATX Co., Ltd.

One-Stop Service, from raw materials to equipment

ATX, our company is located in Ansan-city of Korea.

We are the specialist in manufacturing thin titanium foil and processing with Titanium and non-ferrous metals such as Zirconium, Nickel Alloy, Hastelloy and so on.

We have 30 years' experience in Titanium and Special Non-Ferrous metals.

Based on this long experience, we secure our technological capabilities of processing and application technology and also we've manufactured high strength, high precision titanium foil and equipment using various metals.

Our business fields are

1. Supplying Raw Materials of Titanium, Zirconium and Nickel Alloy.

Main materials we handle are titanium, zirconium, tantalum, nickel alloy and so on.

We produce thin titanium foil directly in S. Korea and strictly controls quality. Gr.1, Gr.2, F67 Thin Titanium Foil : thickness 0.05mm~0.5mm

2. Chemical, Petrochemical & Industrial Plant



We manufacture equipment such as Heat Exchanger, Storage Tank, Reactor, Pressure Vessel and so on using many kinds of materials.

Normally we manufacture equipment using Titanium, Zirconium and Hastelloy due to strong point of high corrosion resistance.

Also we have skilled manpower of welders and fabricators so we can keep the best quality and the best lead time.

3. R&D

For processing and application technology using new materials and manufacturing equipment used in semiconductor and plating facilities; and equipment production for chemical and industrial plants.

ATX offers you materials and equipment with a good quality and a competitive price according to different material grades and customer's requests. Also we pursue the best technology together with customers.



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Bahco

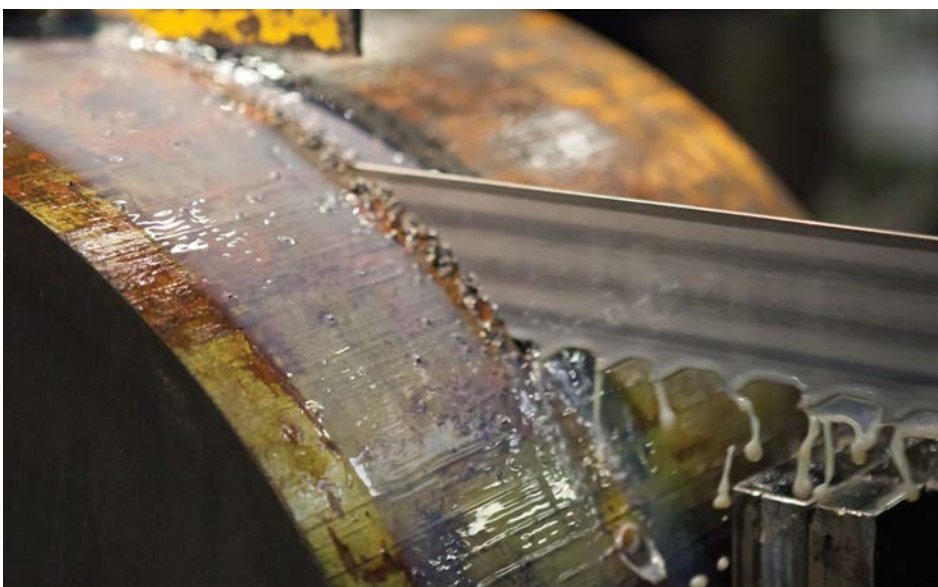
Bahco is a brand of SNA Europe, the premier pan-European manufacturer of hand tools and saws, part of Snap-on Incorporated. We design and manufacture tools and saws tailored to the most demanding professionals, focussing our design highly on innovation, performance and ergonomics. As innovators for over 165 years, we have introduced the most advanced tools in the world and sell through distributors with whom we build long-term partnerships. Bahco products are overwhelmingly manufactured in our own factories located across Europe and offered by our partner distributors to the professionals. To provide the best quality tools to our partners, we are sharing throughout the organization common values on safety, health, quality, ethics.

In 1886 the first saws, which would become Bahco branded, were manufactured in Sweden, with the exceptional toughness and durability that would satisfy the needs of professional users. Today Bahco is a global, market leading brand with a wide range of professional tools, including handsaws, combination spanners, socket spanners, screwdrivers, adjustable wrenches, cutters, files, bandsaws, pruning tools, hacksaws, holesaws and more. The spirit of innovation and unrelenting quality, which first set Bahco tools apart, continues to define the brand to this



day. It is not sufficient for Bahco tools to be just good – we set out to make them the very best – for efficiency,

user-friendliness, quality, design and ergonomics. **Bahco, for professionals!**



BAHCO

Company details:

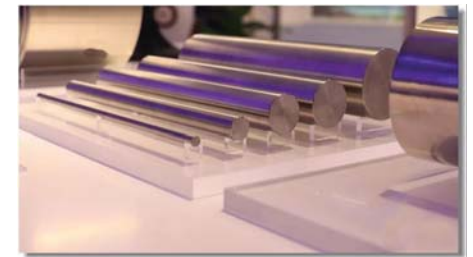
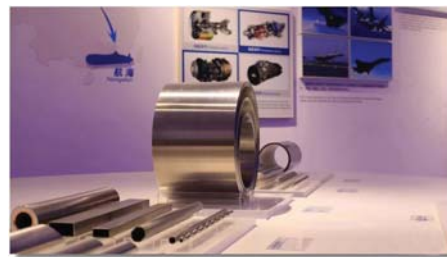
Name: Bahco
Address: Allée Rosa Luxembourg,
95610 Eragny-sur-Oise
France
Email: info@bahco.com
Website: www.bahco.com/

Baoji Titanium Industry Co., Ltd

Baoji titanium industry Co., is the biggest titanium manufacturer in China and has more than 50 years experience. Baoti's main products are titanium and its alloy sheet / plate / tube / pipe / bar / billet / strip / rod / wire / ring / forging / casting / clad material. Our products are widely used in aerospace, chemical processing, oil and gas, power generation, metallurgy, medical equipment, marine engineering, geothermal engineering, refrigeration engineering, sports as well as automotive industries.

We are capable of providing all grades of C.P. titanium and most of titanium alloys in accordance with ASME, ASTM, AMS, MILAWS and JIS specification. We have been approved by PED, Norsok, TÜV and famous Aerospace companies including Airbus, Boeing, Bombardier, Rolls-Royce etc.

- Chinese largest titanium and its alloy production and R&D base.
- Chinese unique company owns full range of titanium and zirconium products.
- Chinese unique company owns integrated production line from titanium sponge, melting, forging and rolling.
- Full coverage of defense, industrial and international markets.
- Titanium and titanium alloy international science and technology cooperation base.
- First brand in Chinese titanium industry.



Certifications:

- ISO9001
- ISO14001
- EN/AS9100
- NADCAP
- PED 2014/68/EU
- NORSOK M650

Products:

- ingot
- sheet & plate
- slab & billet
- tube & pipe
- bar & wire
- coil & strip
- forging
- casting
- fitting





Company details:

Name: Baoji Titanium Industry Co., Ltd
 Address: No.1 Taicheng Road
 Baoji, Shaanxi province
 China 721014

Phone: +86-917-338-2758
 +86-917-338-2072
 +86-917-338-2074

Fax: +86-917-338-2316

Email: iedept@baoti.com

Website: <http://www.baoti.com>

Bar Stock Specialties

In the fall of 2001, Bar Stock Specialties, Inc. made a decision to push beyond the traditional role of a bar distribution company and took the plunge into the manufacturing of stainless steel bars. Bar Stock then completed and commissioned its new facility in Houston, Texas, U.S.A. the following year. By establishing this new location, Bar Stock charted a new course toward something rather unique in this day and age: a domestic stainless-steel cold finishing facility. It was an idea born from the desire to come to the aid of job-shop manufacturing companies. Due to material shortages at the time, the market was in need of good suppliers with short lead times and competitive pricing. Bar Stock's 27,000 square-foot (2,500 m²) plant in Houston houses a comprehensive collection of cold finishing machines. The cold finish machines' capabilities include: cold drawing, straightening, bar peeling, custom cutting long bar lengths, centerless grinding, belt polishing, burnishing, stamping, and chamfering full bars, as well as cutting pieces and parts. Bar Stock's shop was built and equipped to facilitate the needs of Houston-based original equipment manufacturer (OEM) suppliers and fastener manufacturers in the energy exploration, production, and refining markets. Bar Stock also specializes in



toll processing work for customers in need of these value-added services. Bar Stock's management is proud of the progress made since the plant's inception. The facility looks drastically different than it did in 2002, and every year, the business brings new promising opportunities. Today, the Bar Stock Specialties Houston facility features an additional 27,000 square-foot building, which houses the company's heat-treated alloy steel, as well as a part of the production equipment. To keep up with the advancements in technology within the industry, the additional building also features a new bar peeler, which allows Bar Stock to peel down to 0.394 inches (10 mm) of a bar, a vertical draw which allows Bar Stock to draw coil to coil up to 1 inch, a high-speed draw line, and a new Videx straightener with a 40-foot table. With these capabilities, services, and products,



Bar Stock Specialties has the ability to fully service end-user industries including: power generation, chemical plants and desalination plants, oil and gas, petrochemical and refining; and manufacturing industries including: forging, fastener manufacturing, pump shafting, cylinder shafts, connecting rods, bulkhead tie rods, electrical applications, and metric applications. Continued growth is expected as Bar Stock Specialties offers support to other manufacturing and distribution firms that are bent on survival in a tough global market and economy. This company is the one to call when custom lengths or sizes and 'hot rush' deliveries are required.

<p>METAL BAR</p> <p>DRAWING PEELING GRINDING CUTTING</p> <p>PROCESSING</p>	<p>HAVE A ROUND</p> <table border="1"> <tr> <td>• 303</td> <td>• 316</td> <td>• 347</td> </tr> <tr> <td>• 304</td> <td>• 316 ELC</td> <td>• 410</td> </tr> <tr> <td>• 304 ELC</td> <td>• 316 SH</td> <td>• 501</td> </tr> <tr> <td>• 304 SH</td> <td>• 317 ELC</td> <td>• A20</td> </tr> <tr> <td>• 310</td> <td>• 321</td> <td>• A400</td> </tr> </table> <p>FROM US (ROUND BAR THAT IS)</p>	• 303	• 316	• 347	• 304	• 316 ELC	• 410	• 304 ELC	• 316 SH	• 501	• 304 SH	• 317 ELC	• A20	• 310	• 321	• A400	<p>ASTM</p> <table border="1"> <tr> <td>• B7</td> <td>• B16</td> <td>• B8 CL1</td> </tr> <tr> <td>• B6</td> <td>• B8C</td> <td>• B8 CL2</td> </tr> <tr> <td>• B5</td> <td>• B8T</td> <td>• B8M CL1</td> </tr> <tr> <td></td> <td></td> <td>• B8M CL2</td> </tr> </table> <p>A193</p>	• B7	• B16	• B8 CL1	• B6	• B8C	• B8 CL2	• B5	• B8T	• B8M CL1			• B8M CL2	<p>HIGH</p> <p>STRAIN HARDENED STAINLESS STEEL</p> <p>STRENGTH</p>
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• 304	• 316 ELC	• 410																												
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• 304 SH	• 317 ELC	• A20																												
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• B7	• B16	• B8 CL1																												
• B6	• B8C	• B8 CL2																												
• B5	• B8T	• B8M CL1																												
		• B8M CL2																												
<p>HARD TO</p> <table border="1"> <tr> <td>• DECIMAL</td> </tr> <tr> <td>• METRIC</td> </tr> <tr> <td>• PITCH BAR</td> </tr> </table> <p>FIND SIZES</p>	• DECIMAL	• METRIC	• PITCH BAR	<p>LONG LENGTH</p> <p>UP TO 60 FEET</p> <p>STAINLESS BAR</p>	<p>FUTURE STOCK</p> <p>WE SERVICE ALL QUANTITIES</p> <p>PROGRAMS</p>																									
• DECIMAL																														
• METRIC																														
• PITCH BAR																														

BAR STOCK SPECIALTIES, INC. 11710 Charles Road Houston, TX 77041 Phone: 713-849-0055 Fax: 713-466-3583 info@GoBarStock.com www.GoBarStock.com

BAR STOCK SPECIALTIES, INC.

Company details:

Name: Bar Stock Specialties
Address: 11710 Charles Road
77041 Houston, Texas
United States of America
Phone: +1 7138490055
Email: info@GoBarStock.com
Website: www.GoBarStock.com

Béné Inox

Béné Inox is specialized in the distribution of stainless steel components for the construction and/or the maintenance of any industrial fluid process. The company is based in France in the city of Saint-Priest and has already more than 50 years of experience of working in 70 countries like Morocco, England, Russia and several other countries.

Especially qualified for the food, chemicals, cosmetics, pharmaceuticals and oils industries, the company can provide up to 60 000 references that conform to standards like ANSI, ISO and SMS.

To present its wide range of equipment, Béné Inox provides documentation like the four catalogues that are well known in the French industry within their relevant industries. These catalogues include detailed information on each product which aim to help the customer make the best choice of components:

- Fittings, valves, pipes and pipe fittings
- Screws, bolts, fasteners
- Press fittings
- Biotechnological and pharmaceuticals fittings



To support your projects at the initial planning stage, the company has a 3D modeling service. A 3D database is available on the website to provide guidance on integration of individual components into a process. The platform can be accessed directly from the product page or from the menu. Each time there is an adjustment in our 3D database, it is uploaded for more reactivity.

Technical sheets on some of our product like valves are also disponible on our website, for an in-depth guide of all of its perks and utilization, installation.

Béné Inox can provide shipments ranging from container loads to small packages.

More information? www.bene-inox.com





Company details:

Name: BÉNÉ INOX

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FRANCE

Phone: +33(0)4.78.90.48.22

Email: bene@bene-inox.com

Website: www.bene-inox.com

BOLA-TEK MFG. CO., LTD.

BOLA-TEK was founded in 1996, initially specializing in the manufacture of various OEM Balls, and became known for a reputation of high quality and superior service that still exists today. After entering the market for several years, and seeing the growing needs of our clients, BOLA-TEK expanded its production line by Stainless Steel and Carbon Steel materials. All BOLA-TEK products are crafted under the strictest production processes with ISO 9001 and CE/PED certificates audited and approved by TUV.

BOLA-TEK's high quality, on-time delivery, and reliability have received high satisfaction ratings among our clients, and in return earned a high reputation in the subcontracting business.

BOLA-TEK is proud to be able to offer the best SS and CS related products with economic prices, and a promise of reliability, to our esteemed clients. **Contact BOLA-TEK for all your immediate needs!!**

Manufacturing Standards:

- ASME/ANSI
- ASTM
- API
- NACE
- BS EN
- DIN
- ISO
- JIS



Product Range:

- Various types of Ball Valves with Threaded, Flanged, Socket welded and Butt welded end.
- Various types of Gate / Globe / Check Valves with Threaded and Flanged end.
- Various kinds of Balls and Stems as per customers' specification.
- Various kinds of OEM Castings.



BOLA-TEK

Company details:

Name: BOLA-TEK MFG. CO., LTD.
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Phone: +886-4-2234-8000
Fax: +886-4-2234-9000
Email: service@bolatek.com.tw
Website: www.bola-tek.com.tw

BONETTI CUTTING EXPERTS

Tailor-made machines to keep up with the pace in a constantly changing world.

Founded in 1979, Bonetti Antonio decides to take over Opus Bandsaw in 1990. OPUS is an historical brand of the Italian industry that offered high quality machines but a limited range of products. Today, thanks to the know-how introduced by Antonio and Rodolfo Bonetti, the group has become a leader in the production of high quality bandsaw machines, tailor-made cutting solutions and heavy mechanical constructions for steel plants.

This evolution has brought the BONETTI Cutting Solutions brand all over the world, positioning itself in a niche of excellence able to offer highly reliable, concrete and cost effective cutting solutions, intelligently developed for obtain incredible results by an essential manufacturing process such as bandsaw cutting. Today, alongside a complete range of vertical and horizontal bandsaw machines, there is an infinite variety of models designed specifically to cut almost any kind of industrial product.



Bonetti
Cutting Experts

Company details:

Name: BONETTI CUTTING EXPERTS
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IT26012 Castelleone (CR)
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Email: sales@bonettigroup.eu
Website: www.bonettigroup.eu

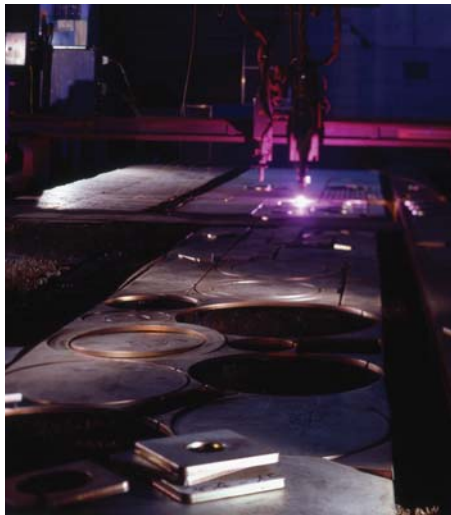
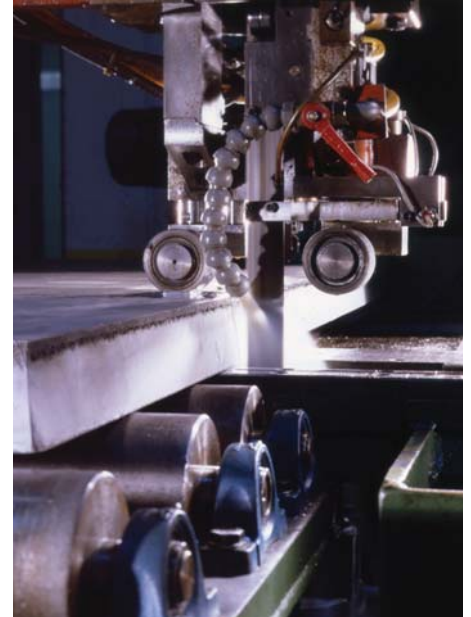
C.S.A.I. S.P.A.

10000 TONS OF STAINLESS STEEL AND NICKEL ALLOY PLATES READY TO BE DELIVERED AS IS OR CUT TO SIZE FROM A MORE EFFICIENT, DOUBLED WAREHOUSE

C.S.A.I. S.P.A. was founded in 1977 as the FIRST Centro Servizio Acciai Inossidabili Stainless Steel Service Centre in Italy and never lost its initial vocation.

From then until now the wish to meet the customer's needs has inspired us towards a constant growth.

Now, thanks to our facilities, 5 plasma cutting machines to cut from 3 mm up to 150 mm thickness, 2 high definition plasma machines, 6 sawing machines up to 300 mm and one of the biggest first



choice stock of stainless steel quarto plates, we can meet all your requirements.

You can find in our stock stainless steel plates standard grades like AISI 304/L-304/H-321-321H- 316L-316Ti up to 150 mm thickness; AISI 347-347H--310S-DUPLEX-SUPER DUPLEX 32750- up to 100 mm thickness; 410S-1.4435-317L – SUPER DUPLEX 32760-904L up to 80 mm thickness; S31254-N08810 up to 40 mm thickness, N02825-N06625 up to 60 mm thickness, NO4400-N10276 N06608 up to 20 mm thickness

All our stainless steel suppliers have a quality assurance in conformity with ISO 9001. Most of the material now is according to NORSOK.

In 5 days we are ready to deliver all over the world from the biggest plate to the smallest piece according to your drawing.

For all inquiries, from whole plates down to small pieces our Sales Department will be glad to help you.

Our website www.csai.net is always upgraded with the new grades.



Company details:

Name:	C.S.A.I. S.P.A.
Address:	Via Fosse Ardeatine 69 I-20099 Italy
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Fax:	+39 02 24 28 103
Email:	info@csai.net
Website:	www.csai.net

Combilift Ltd

Combilift's wide range of products helps you to ensure safer, space saving and more productive and cost effective materials handling. Since the company launched the world's first IC engine powered, all-wheel drive multidirectional forklift in 1998 it has developed an extensive range of solutions for handling long and awkward loads, pallets, containers, extremely oversized products or a combination of these. Continual 7% of revenue investment in R&D has kept Combilift at the forefront of innovation and cemented its position as a worldwide market leader. Over 60,000 units have been produced and Combilift's products are exported to more than 85 countries.

The models of the original multidirectional C-Series are "three machines in one": sideloader, counterbalance truck and narrow aisle forklifts. They are unbeatable for handling long loads in confined spaces – sideways travel with the load resting safely on the low level platform offers exceptional manoeuvrability and there is no need for risky travel with elevated loads as is the case with other types of forklifts. These tough workhorses come with capacities from 2.5t up to over 20t, with LPG, diesel or electric power and are customised to individual requirements. A wide range of attachments and options are also available.



The Aisle Master articulated forklifts replace a combination of reach and counterbalance trucks, work in aisles as narrow as 1.6m and lift to heights of 15m to optimise every inch of storage space in the warehouse. They can load and offload in semi-rough yards for quick and productive truck to rack transportation, avoiding time-consuming double handling. Combilift has significantly expanded its range of pedestrian operated products which now include counterbalance

and reach stackers and powered pallet trucks. These are considered to be a safe alternative to ride-on forklifts, particularly when trucks are being used in busy production facilities for example. A key feature of these is Combilift's unique, internationally patented and award winning multi-position tiller arm which can be turned to the left or right of the unit to position the rear drive wheel, allowing the operator to remain at the side of the machine rather than at the rear for optimum safety. It also enables operation in narrow confines for space saving handling and maximum storage density.



COMBILIFT
LIFTING INNOVATION

Company details:

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Monaghan H18VP65
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Phone: + 353 47 80500
Fax: + 353 47 80501
Email: info@combilift.com
Website: www.combilift.com

Corrotherm International Ltd

Comprehensive Stock from ½" – 8" in seamless pipe and fittings in nickel alloys grades 625, 825, C276, 200/201, 400, 600, Alloy 20.

Stock held in facilities in UK and The Netherlands with a complete range of grades and sizes in both locations.

Corrotherm International Ltd, established in 1992, is one of the leading suppliers of nickel alloys to a wide range of industrial sectors. We are a truly global company with offices in Netherlands, India, Australia, Dubai, Abu Dhabi and Saudi Arabia, with our corporate headquarters based in UK. Over nearly three decades, CIL have been a leading provider of high grade materials for critical applications, with an enviable history of customer support helping clients resolve their problems when dealing with severe service conditions. We are recognized for our distinct ability to provide an array of industrial solutions under one roof and are able to provide total solutions for our customers' requirements. Our strengths include:

- A dedicated professionally qualified team to assist our customers
- Swift service
- Fully traceable and reliable source for the highest quality materials
- Wide range of products for Piping applications in pipes

Corrotherm are approved by a wide range of operators including ARAMCO, ADMA, ADCO, ZADCO, QP, KOC, KNPC, PDO, SABIC

We supply only from world class manufacturers in heat and corrosion resistant metals. Our stock and

Stock Sizes

Alloy	Sizes
Alloy 825 Sch 10/40/80/160	½" ¾" 1" 1 ½" 2" 2 ½" 3" 4" 6" 8"
Alloy 625 Sch 10/40/80/120/160/XXSTR	½" ¾" 1" 1 ½" 2" 2 ½" 3" 4" 6" 8"
Alloy C276 Sch 10/40/80	½" ¾" 1" 1 ½" 2" 3" 4"
Alloy 200/201 Sch 10/40	½" ¾" 1" 1 ½" 2" 3" 4"
Alloy 400 Sch 10/40/80	½" ¾" 1" 1 ½" 2" 3" 4" 6"
Alloy 600 Sch 10/40/80	½" ¾" 1" 1 ½" 2" 3" 4"
Alloy 20 Sch 10/40/80/160	½" ¾" 1" 1 ½" 2" 3" 4"



association with reputed partners has also allowed us to win work in Power & Desalination, Refineries, Petrochemicals and the Marine sector.

Our core strength is in supplying in accordance with stringent technical requirements and complete adherence to project specifications with nearly 30 years' experience in testing, inspection and documentation to the most stringent requirements. We are certified to ISO 9001:2015, ISO 14001:2015 and OHAS 18001. With our global office network we offer a comprehensive service for Europe, Middle East and Asia Pacific regions with the experience and technical knowledge to support all requirements from project supply to individual or bespoke items, specialising in a stock range of corrosion



resistant nickel grades in addition to supplying duplex, super duplex and refinery grade stainless steels. Our long standing and close relationships with manufacturers worldwide & our stock holding enables us to coordinate complete project packages of nickel alloy tubular requirements incorporating global supply, logistics and documentation of third party inspections & additional testing requirements.



Company details:

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 South Hampshire Industrial Park
 Totton, Hampshire
 SO40 3SA
 United Kingdom
 Phone: +44 (0)23 8074 8100
 Fax: +44 (0)23 8074 8114
 Email: sales@corrotherm.co.uk
 Website: www.corrotherm.co.uk

Dover Tubular Alloys

Dover Tubular is a master distributor of stainless steel and aluminum tube and pipe selling exclusively to wholesalers and metal service centers. Our company has locations in Dover, New Jersey and Houston, Texas.

Dover Tubular stocks more than 2,000 sizes of stainless steel and aluminum tubing sourced from the leading Domestic, DFARS, AML, and Import mills throughout the world. Our company has one of the most diverse inventories of stainless steel hollow-bar, boiler, heat-exchanger, and general service tubing available within the United States. We also offer seamless stainless steel pipe and aluminum in a variety of schedules. Additionally, our company specializes in quick-turnaround cut-to-length services for both tube and pipe.

Dover Tubular is home to one of the most experienced sales teams within the industry. With an average of 20+ years of industry experience, our team has the knowledge and expertise required to assist with your most complicated



projects. At Dover Tubular, your satisfaction is our priority and we appreciate the opportunity to earn your business.

ALUMINIUM

Seamless Drawn Tube:

OD Range: 1/4" to 5"
Wall Range: 0.028" to 0.250"
Grade / Temper: 6061-T6

Seamless Extruded Pipe:

NPS Range: 1/2" NPS to 6"
Wall Range: SCH 40 to SCH 80
Grade / Temper: 6061-T6

STAINLESS

Seamless Mechanical Tube:

OD Range: 1/2" to 18"
Wall Range: 0.188" to 2.000"
Grades: TP304/L & TP316/L

Seamless Pipe:

NPS Range: 1" to 18"
Schedule Range: SCH 40S to XXH
Grades: TP304/L, TP316/L,
TP310S/TP310H,
Duplex 2205

Seamless Tube:

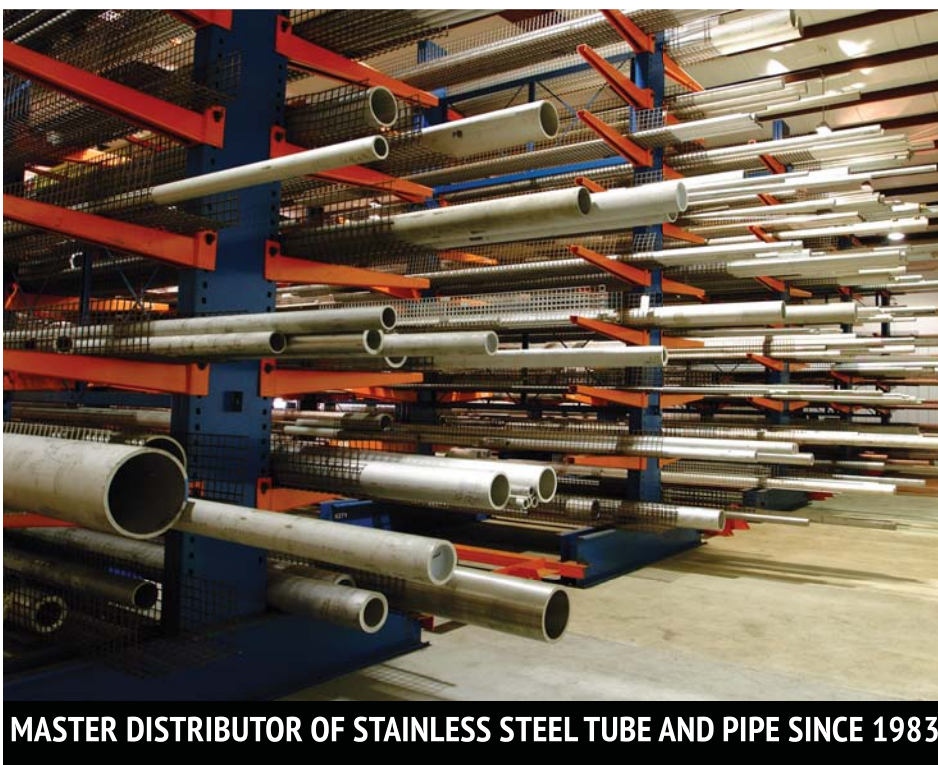
OD Range: 1/16" to 8"
Wall Range: 0.010" to 0.156"
Grades: TP304/L, TP316/L,
TP310S/TP310H,
Duplex 2205

Welded Pressure Tube:

OD Range: 1/8" to 12"
Wall Range: 0.020" to 0.120"
Grades: TP304/L & TP316/L

Welded Sanitary Tube:

OD Range: 1/2" to 8"
Wall Range: 0.065" to 0.109"
Grades: TP304/L & TP316/L



MASTER DISTRIBUTOR OF STAINLESS STEEL TUBE AND PIPE SINCE 1983

Dover Tubular Alloys, Inc.

Company details:

Name: Dover Tubular Alloys
Address: PO BOX 915
Dover NJ 07802-0915
United States of America
Phone: +1-973-361-4300
Fax: +1-973-361-0708
Email: sales@dovertubularalloys.com
Website: sales@dovertubularalloys.com

Energy Metals, Inc.

A GRADE ABOVE THE REST

Energy Metals, Inc. is a master distributor of specialty stainless and high nickel alloy pipe, fittings, flanges, and pressure fittings serving primarily the petrochemical, refinery, and chemical industries through distribution. Energy Metals was acquired in 2010 by Texas Pipe & Supply, one of the largest stocking distributors of commodity stainless and carbon steel pipe in the United States. Following the 2019 acquisition of Alloy Piping Products (APP), MultiAlloy, J&J Alloys, and J&J Bar Plus into the Texas Pipe Family of Companies, Energy Metals' capabilities and product range has expanded, providing greater access to approved manufacturing and machining capabilities for domestic and international customers.

Energy Metals stocks a full range of: Alloy 20, Duplex 2205, Super Duplex 2507, 304L, 304/304H, 316L, 316/316H, 317/317L, 310S/310H, 321/321H, 347/347H, 410S, 904-L, 254 SMO®, Nickel 200/201, Monel® 400, Inconel® 600, Inconel® 625, Incoloy® 800H/HT, Incoloy® 825, and Hastelloy® C276 in pipe, fittings, flanges, and pressure fittings.

The team at Energy Metals, Inc believes in a tireless effort to keep its customers satisfied. We are dedicated to supplying excellent products and incomparable service and work hard to provide our customers with an unparalleled experience worldwide. With over 100 years of combined industry experience, the team at Energy Metals is prepared to assist you with your most difficult inquiries. We pride ourselves in being a key player in the industry and we know you will feel the same.



Product

Seamless Pipe: ½"- 16" Schedule 10s-XXH
Welded Pipe: 4"-24" Schedule 10s-80s
Buttweld Fittings: ½"- 24" Schedule 10s-160
Flanges: ½"- 24" 150#, 300#, 600#
Pressure Fittings: ½"- 2" Pressure Rating 3000# THRD/SW

Materials

Specialty Stainless Alloy
304/304H, 310/301S, 316/316H, 317/317L, 321/321H, 347/347H, 904-L, 410
Duplex Alloy
Duplex 2205, Super Duplex 2507
Nickel Alloy
Alloy 20, Alloy 200/201, 400, 600, 625, 800/H/HT, 825, C276®, 254 SMO®

Heater Tube Grades and Sizes

Pipe - (Stock available in Double Random Lengths as well as Single Random Lengths)
304H, 321H, *347H, A800HT Piping
3" 40s, 80s, 160
4" 40s, 80s, 160
5" 40s, 80s, 160
6" 40s, 80s, 160

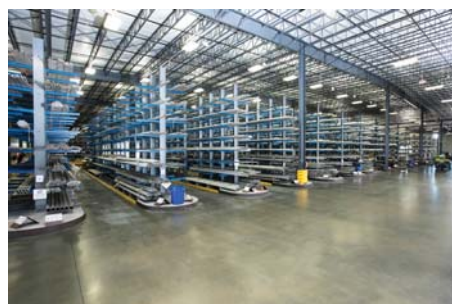
Fittings - Stock available in Long Radius/Short Radius 180° Return Bends + Short Radius 90's

304H, 321H, *347H
3" 40s, 80s
4" 40s, 80s
5" 40s, 80s
6" 40s, 80s

**347H Stabilized @ 1650°F for 4 Hours*

Hard to Find Heavy Wall Pipe

Sizes in Stock
304H, 321H, 347H



Sizes – 6", 8" 10" 12"
Schedules True 80, 100, 120, 140, 160 & XXH

Services

Cutting
In-house Machining
Positive Material Identification



Company details:

Name: Energy Metals, Inc.
Address: Warehouse: 3730 South Main St
Pearland, TX 77581
Sales Office: 2330 Holmes Rd
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United States of America
Phone: (USA) 001 713 790 0222
(UK) 0044 (0)7717 783092
(ASIA) 0065 9768 5285
(UAE) 971 50 482 4776
Fax: (USA) 001 713 790 0223
Email: sales@emetalsinc.com
Website: www.emetalsinc.com

Era S.r.l.

Manufacturer of welded elbows

Founded in 2008 from the experience of the partners in the production of pipes and fittings, Era S.r.l. is today a highly flexible company focused on the production of **welded elbows in two halves cold formed from plate.**

From our new plant of 5.000 m² located in Carrè (north-east of Italy) and inaugurated in 2019, we offer a wide range of dimensions and materials granting high quality products and trying to meet all customers' requirements. The quality management system is certified by AFNOR according to ISO 9001:2008 and by TUV NORD according to the ANNEX I, SECT. 4.3 OF PRESSURE EQUIPMENT DERECTIVE (PED) 2014/68/EU, as well as according to AD2000-MERKBLATT WO regulation.



Main Applications

- Oil & Gas
- (Petro)chemical Industry
- Desalination plants
- Energy sector
- Water Treatment sector
- Pulp & Paper
- Industrial

Dimensional Range

- Ø from 6" (168mm) up to 42" (1067mm)
- Wall thickness from 3 mm up to 20-25mm
- Long Radius (3D) and Short Radius (2D)
- 90° and 45°

Norms

- EN10253-3, EN10253-4 Typ A/B
- ASTM A403, A815, B366

Materials

Stainless Steel 300 Series

- 304/304L - 1.4301/1.4307
- 304H - 1.4948



- 316/316L - 1.4401/1.4404
- 321 - 1.4541
- 316Ti - 1.4571
- 347/347H - 1.4550/1.4961

Heat Resisting Steels

- 309S - 1.4828
- 310S - 1.4845

Super Austenitic Alloys

- 904L - 1.4539
- 254Smo - 1.4547

Duplex and Superduplex

- S31803/S32205 - 1.4462
- S32750 - 1.4410
- S32760 - 1.4501

Nickel Alloys

- Alloy 400 - 2.4360
- Alloy 600 - 2.4816
- Alloy 625 - 2.4854
- Alloy 800/800H - 1.4958
- Alloy 800HT - 1.4959
- Alloy 825 - 2.4858
- Alloy 59 - 2.4605
- Alloy C276 - 2.4819



manufacturer of welded elbows

Company details:

Name: Era S.r.l.
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I-36010 Carrè
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Phone: +39 0445576644
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Email: sales@erafittings.com
Website: www.erafittings.com

FOSHAN RUNTIAN NEW MATERIAL TECHNOLOGY CO., LTD

Who is RUNTIAN?

Foshan Runtian New Material Technology Co., Ltd (Former Name: Foshan Runtian Metal Product Co., Ltd) is an ISO 9001-2015, CE-PED and INTERTEK certified factory from Foshan, China, professional in manufacturing welded stainless steel tubes & pipes, coils & sheets, fittings & railing systems, which are widely used in building decoration, heat exchanger, boiler, condenser, pressure fluid pipeline, food & dairy sanitation, medical, automotive, petrochemical industries, etc.

Established in 2007, Runtian factory covers 50,000 square meters, with 300 staffs, has our own cold rolling & slitting lines, 75 tube making lines offering wide range of sizes as well as customized size, annual output over 60,000 tons, standing inventory of over 3,000 tons.

Grade: 1.4301, 1.4307, 1.4401, 1.4404, AISI 201, 202, 304(L), 316(L), 310(S), 321, 409L, 410(S), 430, 439, 441, 904L, 2205

Standard: EN10217-7, EN10296-2, EN10312, EN10357, DIN11850, ASTM A554, A269, A249, A270, A268

Surface finish: 180G, 320G, 400G, 600G, mirror, 8K, brush, satin, hairline, short hairline

Customized service: coil tube, short cutting, punching, color coating, customized packing.

Runtian products are selling well in more than 50 countries in Europe, North America, South America, Middle East, Southeast Asia and has good reputation from our customers for the excellent quality assurance, on time delivery and professional service.



What make RUNTIAN unique?

Runtian always focus on customers' need to offer excellent product and solution, with strict quality control in accordance with international EN, DIN, and ASTM standards.

We use famous mills raw material such as Tsing Shan, Tisco, and do spectrum inspection for chemical composition, cold rolling to control hardness, to guarantee the stable quality for tube making.

Tubes under 100% full penetration TIG welding, with processes of inside bead remove, bright anneal under temperature 1040 °C, polishing, full inspections of mechanical test, hydrostatic test, Eddy current test, to guarantee the high strength of the weld seam and tube corrosion resistance, prevent crack or leakage during bending or pressure use.

Our experiencing QC team inspect the tubes carefully during every process to guarantee the accurate dimension within standard tolerance.

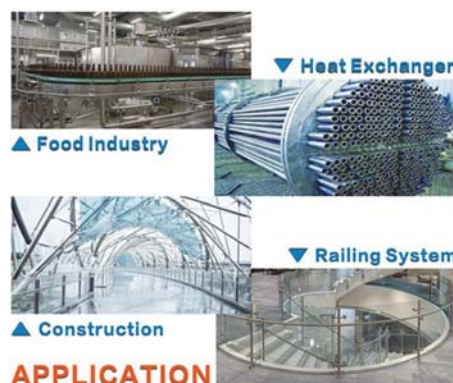
And we have special surface protection to prevent scratch and guarantee

the delicate finish for high quality requirements.

Easy to work with RUNTIAN

Qualified tubes will under clear identifying, suitable export packing to guarantee the traceability and good protection during transportation. Runtian warehousing sufficient storage capacity and professional loading team guarantee the products are delivered on time, safely loaded and shipped to overseas customers.

Runtian Export Department has an experienced, professional, responsible, and efficient team to serve customers, provide customized solutions and worry-free after-sales service. Runtian is willing to know your request, and fulfill your expectation with our expertise and become your reliable partner.





Company details:

Name: FOSHAN RUNTIAN NEW MATERIAL TECHNOLOGY CO., LTD

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Phone: +86 757 28909415 / 28909421

Email: nikey@runtianmetal.com

Website: en.fsruntian.com

Foshan Vinmay Stainless Steel Co.,Ltd

Foshan Vinmay Stainless Steel Co., Ltd is a large-scale international enterprise which concentrates on producing stainless steel welded tubes and the related fittings.

Our products are strictly produced according to multiple international standards including stainless steel welded tubes for ornamental and mechanical structure purposes (ASTM A554, GB/T12770); stainless steel welded tubes for boiler, heat exchanger and condenser (ASTM A249, EN 10217-7, GB/T 24593); stainless steel sanitary welded tubes (ASTM A270, DIN 11850, EN10357) and light gauge stainless steel water tubes (GB/T 19228, EN 10312).

Our advantages in production technology and capacity: With a 30,000 square meters' workshop, we own over 60 continuously forming lines, providing a wide size range from diameter 6mm to 219mm with thickness from 0.4mm to 6.0mm. Our designed annual output is more than 40,000 tons.

Vinmay is a quality and service oriented company. We follow a strict



quality management system to ensure that our quality meets the standards as well as client's special requirements. Moreover, we established a customer satisfaction management system which is applied to serve over 1000 companies from 60 countries. Currently we export more than 25,000

tons of stainless steel welded tubes every year, of which the export volume of ASTM A554 tubes rank 1st place in China.



Company details:

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Grande-Tek Flow Control Co.,Ltd

For more than two decades, Grande-Tek has been at the forefront of China's basic industry.

From valve production to component production of supporting equipment, from single development mode to integrated operation, Grande-Tek aims high for excellence. Our goal is to rise to the top while embracing our world.

Grande-Tek is committed to creating a rich and diversified industry ecology, providing the world with a variety of choices, which includes: Threaded ball valves, flanged ball valves, fully welded ball valves, press fittings, threaded fittings, valve balls, tank valves, etc. In total there are twenty series, with over 2000 specifications.

A sophisticated technical team (of over 60 members) continuously makes breakthroughs through painstaking efforts.

Each recognition acknowledges the glory that Grande-Tek brings around the world. 36 patent certificates of independent property rights,



and 25 domestic and foreign system certification certificates, such as CE, ISO, API, LOWE'S, CQC and RS.

Grande-Tek assists Fuxing trains with strength and Winter Olympics with quality. Behind the high-speed

operations and fascinating Winter Olympics is Grande-Tek's eternal adherence to details.

To be excellent means to be more professional, more efficient, and to achieve the highest craftsmanship in our field.





GRANDE-TEK

Company details:

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Website: www.grandetek.com

GRUPO LAPUENTE

Grupo Lapuente is a group of five family owned companies with **over 30 years** of experience, able to offer to offer competitive solutions in stainless steel which meets the most important quality requirements in the **international markets**.

Our factory and warehouses, located in Barcelona, have an important stock at our customer's disposal, so delivery terms are extremely short. As we are a **service center**, we can also offer **specialized products** to our customers when needed.

Service Centers

Due to its investment in machinery and material, Grupo Lapuente offers a wide range of products: **strips, sheets, flat bars, U channels, profiles, coils, etc...** in all kind of grades. Its more than 10.000 TN of stock can be **cut-to-size and customized** to fulfill customers' needs. Grupo Lapuente counts with its own flattening machines (up to 2m width), slitting machines, profiling lines and shears being able to give a fast and professional response.

Tubes & Pressfittings

Isotubi produces stainless steel **tubes and Pressfitting system** which allows making facilities in a very easy way, without using welding or threads. Its **NUMEPRESS** brand has become in the **international market a quality guarantee** for their customers.

Surface finishes

GoodPolish, Grupo Lapuente's surface finishes' service center, has the latest technology and machinery. Amongst its services, GoodPolish offers, **grinding & scotchbrite** both in coils and sheets up to **2m width**, mechanical polish (7) and **supermirror finish** (8).



Company details:

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Website: www.grupolapuente.com

HandyTube Corporation

HandyTube Corporation, is a premium manufacturer of seamless stainless-steel & nickel alloys for coil and straight-length tubing in diverse industries worldwide. HandyTube Corporation is located in Camden, Delaware, United States.

Our seamless tubing is available in both coils and straights in numerous high-performing, corrosion-resistant stainless steel and nickel alloys including many 300 Series alloys, 904L, Alloy C276, Alloy 22, Alloy 400, MP35N, Alloy 825, Alloy 600, Alloy 625, including 6Mo (UNS S31254) meeting NORSOK M650 (Edition 4 for MDS R18) featuring wall thicknesses up to 3.8 mm. All tubing can be coated with PVC or TPU providing additional protection against the elements and line identification.

Coil tubes featuring outer diameters as small as 0.017" (0.432 mm) and inner diameters as small as 0.005" (0.127 mm) up to 1" outside diameter and 0.150" wall. Our coil tubing is utilized in applications ranging from safety valves for sub-sea oil wells, the transmission of highly-flammable hydrocarbon gases, and CNG/LNG refueling stations. Coil product is also utilized in firefighting systems, remote hydraulic control lines, and pressure sensing lines by ship builders.

Our straight-length tubes are manufactured according to ASTM, MIL-T, Semi-Conductor Manufacturer's, and AMS specifications, making them ideal for general instrumentation, aerospace and defense service, and Ultra High Purity (UHP) systems. Our straight-length tubing is available in different sizes ranging from outer



diameters as small as 0.017" and inner diameters as small as 0.003" up to 0.750" outside diameter.

We also manufacture seamless capillary tubes, which play a vital role in many sophisticated measurement and sensing devices. From pressure sensors to flow meters, our capillary tubes are used in many critical applications where accuracy and reliability are paramount.

In addition, our Ultra-Small Diameter (USD™) capillary tubing for Chromatography applications features outside diameters less than 0.0625" (1.59 mm). To minimize the risk of cross-contamination and save our customers time, we developed our proprietary Chroma Clean ID™ cleaning process, which removes manufacturing lubricants and other contaminants from the tubing interior. In addition, our Chromat ID™ drawing

process provides ID support during the manufacturing process, creating smoother, consistently uniform ID surface characteristics.

To ensure no defect goes undetected, our coils are 100% hydrostatically tested—a proven reliable and consistent method compared to some non-destructive test methods. We also perform a 100% Positive Material Identification on all finished product, guaranteeing the material meets all customer requirements. Mechanical tests are conducted on-site to provide our customers with an expeditious and flexible delivery schedule.

All of our tubing is manufactured to a fully documented quality system that exceeds ISO 9001 certification requirements.

To learn more visit our website www.handytube.com, you can contact HandyTube at sales@handytube.com



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Website: www.handytube.com

HARALD PIHL

Having built up the family-owned business over the past century, HARALD PIHL distributes the largest range of nickel, titanium and alloys in Europe. With products in all forms and most dimensions the company is able to supply their customers with materials without any unnecessary lead times. With an ever growing focus on the international market HARALD PIHL's products are used in different productions all over the world. Today the company is represented right across Europe and has just opened a warehouse in China and an office in India.

Super-fast deliveries

HARALD PIHL's specialty is very fast delivery times. All enquiries are answered within an hour and orders placed before lunch are shipped the same day. Furthermore, the company has embraced the latest technologies to stay ahead of the competition and become a 'one-stop-shop' for customers. The entire stock offering is listed on the company's website, available in 16 languages, which saves customers a lot of time as they can easily and quickly find the products they need in the materials and sizes required.



Largest stock in Europe

HARALD PIHL has a wide assortment of corrosion resistant alloys, heat resistant alloys, creep-resistant alloys, special alloys, stainless steel, titanium alloys, low melting point alloys, copper alloys, welding material, and refractory metals. The materials are available in most forms like wire, rod, sheets, plate, strip, tubes & pipes and in several dimensions. The diversity of the product range makes HARALD PIHL able to supply almost every market. In addition, the company also offers their customer a number of value added services, such as sawing, shearing and waterjet cutting. All these services are done in-house in

order to offer customers competitive prices and short delivery times.

Maintaining an edge over competitors

HARALD PIHL gained Aerospace EN9120 approval in June 2013. The company also supplies NORSOK M650 certified material in different grades of titanium. This is mainly used in the oil & gas industry for pipes, bars and fittings. Quality assurances such as NORSOK M650 and Aerospace EN9120, as well as HARALD PIHL's long history and the highest credit ranking possible makes the company a reliable partner for new customers to start working with.



FASTEST SUPPLIER IN EUROPE



HARALD PIHL
SPECIAL ALLOYS AND TITANIUM
WWW.HARALDPIHL.COM

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Hart b.v.

Leading Stockholder in Nickel Alloy Piping Products

Hart b.v. is a specialised stockholder in Nickel Alloys and acts as a master distributor of Nickel Alloy Piping Products for the suppliers to the Oil & Gas and (Petro) Chemical Industries. We can assist in all Nickel Alloy requests and help you to complete your packages (Total Project Management).

Projects requiring Nickel Alloy products can be supplied directly from our extensive stock.

We have been active in selling piping products worldwide for over 55 years and therefore have longstanding partnerships with reputable European and North American mills. This has also resulted in Hart b.v. becoming a preferential supplier for a lot of these mills worldwide. We maintain a high level of stock in Nickel Alloys and supply quality products in accordance with the high standards of the industry.

Our team is highly trained and can help you with both a good service as well as technical knowledge.

Nickel Alloy materials from stock

- Alloy 200/201
- Alloy 400
- Alloy 600
- Alloy 625
- Alloy 825
- Alloy C276

Products

- Pipe, seamless and welded
- Tubing, seamless and welded
- Fittings, butt welded and forged
- Flanges, according to ASME, DIN, EN, JIS and according to drawing



- Plate, full plates or cut to size
- Bar, full lengths or cut to size

Sizes

- ½" up to and including 8"
- Sch10s up to and including XXS

Our Industries

- (Petro-) Chemical Industry
- Upstream Oil & Gas
- Downstream Oil & Gas
- Subsea
- Pulp & Paper production
- Waste treatment
- Pollution control
- Marine Engineering

Quality Assurance

- ISO Approved and PED certified.
- Listed on several Approved Vendor Lists (Shell, Aramco, PDO, etc.)
- Total Quality Management System
- International standards (ASME, TUV, PED)
- Certification 3.1 and 3.2
- All stock material: 100% PMI, Dual certified ASTM/ASME and NACE MR01-75/01-03
- Inspections and additional testing when required



Services

- Delivery within 24 hours FCA our warehouse
- Facilities to cut and bevel in house
- PMI facilities in house
- Facilities for testing according to customer specifications
- Capable of remarking in accordance with PED guidelines
- Full material traceability
- Complete Logistical support
- Total Project Management
- Wall thickness checks possible
- Spoken languages: Dutch, English, German, Italian, French, Spanish and Portuguese.



Leading Stockholder in
Nickel Alloy Piping Products

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Hart b.v. – Head office and warehouse in Nijkerk, the Netherlands, www.hartbv.nl, sales@hartbv.nl

Follow us on LinkedIn <https://www.linkedin.com/company/hart-b-v/>



Hunan Allianz Metal Products Co., Ltd

Hunan Allianz Metal Products Co., Ltd was founded in 1996, and it is an enterprise that integrates R&D, production and sales of stainless steel pipes and nickel alloy products. After over one decade development, Allianz Metal has become one of the top 20 special steel companies in China, and also the first nickel alloy brand in Hunan Province.



The registered capital of the company is 25 million yuan, and total investment has reached more than 250 million yuan. The company has two major production bases, which are located in Jiangsu and Shanghai, and mainly produce stainless steel welded pipes, seamless pipes, nickel alloy forgings, bars, flanges, and other pipe fittings products. Our products are widely used in environmental protection, paper making, water treatment, petrochemical, automotive, shipping, power and other industries and fields. Now, the annual production capacity of stainless steel products has been over 20,000 tons, and which of nickel alloys has also reached 3,000 tons.

As a leading stainless steel pipe manufacturer, Hunan Allianz Metal Products Co., Ltd (Ronsco) has started a process fabrication centre since 2010, to meet the demands for customized products from our clients worldwide. Besides, RONSCO has built very close relationship with TISCO and BAOSTEEL. In the past 10 years, with a strong technical team and service team,

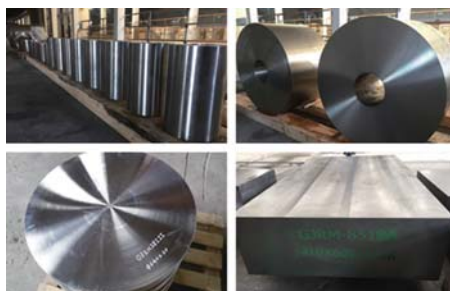
we have gained much experience in designing and producing various kinds of stainless steel customized products.

Ronsco Machining process fabrication centre is a comprehensive platform with well-equipped machine, which are imported from Japan, German, Taiwan etc. The company has Laser cutting machine, Plasma welding machine, Bench drilling machine, Rolling Machine, Floor-Type Milling-Boring Machine, Portal-Type Processing Center, Vertical Lathe, Deep-Hole Drilling Machine, Multi-Drilling Machine and Planer, which are multi-standard, high-precision and multi-function. We can provide process services like cutting, beveling, bending, rolling, press-punching, welding, drilling, machining etc.

The company has passed ISO 9001 quality certificate, British LR certificate, European PED certificate, German TÜV certificate, China Classification Society certificate, and American API certificate to guide all employees to implement fine management and operation, and to

provide customers with lean products, lean services, and also to enhance the competitiveness and creativity of products. In order to enter the market with high quality products, Allianz Metal invests 10% of its annual income in research and development of new technologies and products. At present, we have constant scientific research cooperation with Baosteel Special Steel Technology Center and Central South University on "nickel alloy materials".

As an integrated supplier of stainless steel products for the global market, we've earned a high reputation in stainless steel industry throughout the world. We have provided over 1,000 customers from more than 60 countries with our high quality customized products, as well as professional service.



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 Email: info@ronsteel.com
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Ilta Inox Spa

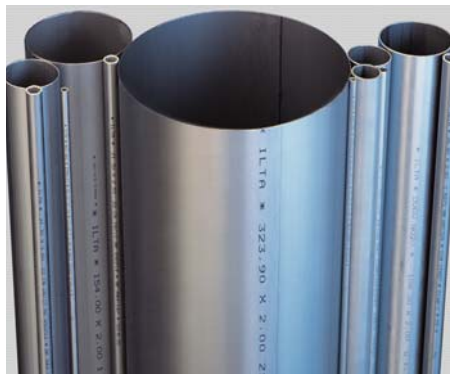
Major changes are coming to the world of stainless steel welded tube production. ilta Inox – a leading Italian producer of welded stainless steel round tubes – recently completed a new investment plan worth EUR 40 million to produce High Frequency (HF) welded hollow sections at its manufacturing plant in Robecco d'Oglio, Cremona. In the past decade, ilta Inox invested heavily in technology throughout its production lines, including a 24" laser welding line. With its facility fully equipped with laser welders, slitting lines, straightening lines and a polishing line, production capacity increased to 80,000 tonnes. The addition of a new building solely dedicated to stocking material increased capacity dramatically. Today all 22 lines are equipped to operate according to ISO 9001 for quality systems, ISO 14001 for environmental compliance, and OHSAS 18001 for worker's safety.

Return to HF hollow sections

A vital element of the plan has been ilta Inox's return to producing High Frequency (HF) welded hollow sections (suspended in 2006 to focus on laser welding technology). Returning to the production of HF hollow sections secures ilta Inox's strategical position in this lucrative market, with a product range from 10x10mm up to 250x250mm and thickness from 1.00mm to 6.00mm. Investment in restarting the production of hollow sections - usually used for structural or ornamental purposes - enables ilta Inox to expand into this sector significantly.

New investments create one-stop-shopping

The strategy is to provide customers with a one-stop-shop for all their tube requirements.



An automatic warehouse system with the capacity to store up to 12,000 tonnes of tubes now facilitates the rapid picking, packing and delivery of orders to offer customers, beside the HF box sections, the most comprehensive round tube material availability in the market, from OD 10mm to 711.2mm, with wall thickness ranging from 0.8mm to 6.00mm in austenitic steel grades EN 1.4301, 1.4307, 1.4521, 1.4541, 1.4404, 1.4571, 1.4432, 1.4828, and 1.4539. With its extensive stock all available on a single site, ilta Inox has positioned itself as a strategic partner to customers requiring fast deliveries to improve their stock rotation.

Leader in quality

Quality has always been a critical focus for the ilta Inox team. Key quality certifications obtained in the past years were related not only to the production norm EN 10217-7, but also to RINA approval for marine applications, to EN 10357 for food and dairy applications, DVGW 541 for drinking and gas applications, and TUV AD2000-W2-W10 and PED 2014/68/EU for pressure equipment

A leader in innovation; 24" laser welding

Tube production at ilta Inox is executed with the best laser welding technology



available on the market. Strips are cut on a slitting line capable of handling coils up to 28.7" (2000 mm) in diameter. In 2016, ilta inox introduced a new production concept to its facilities; a unique laser welding line to produce tubes from strips with an outer diameter of up to 24" (609.6 mm) according to ASTM/ASME A312 and to EN 10217-7. It was the first company in the world to offer a laser welding line for such large tubes.

Diversifying products

On 2013 Ilta Inox took over the Italian leading company **Chibro** based in Montano Lucino (Como) producer of stainless steel pressfitting system and stainless steel drainage system Steckdrain.



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Industeel, ArcelorMittal group

Industeel: the Specialty Plate unit of ArcelorMittal

Industeel is a dedicated specialty plate producer based in Belgium and France, making a range of stainless and low alloy steel plates destined for challenging applications worldwide. In particular for corrosive environments, we produce a full range of stainless steels, with extensive product families in duplex, super-austenitic and special austenitic stainless steels, as well as producing nickel-based alloys in both conventional plate and hot roll-bonded clad plate forms.

Experience

Industeel plates have been integral to a number of landmark projects such as the tidal sluice gates at Mont Saint Michel, France, the molten salt tanks of the world's largest concentrated solar power plants in Morocco and Dubai, the ITER nuclear fusion tokamak reactor being built in Cadarache, France and the first Canadian Duplex bridge in Toronto. With the flexibility of our steel production process, we can tailor steel requirements to the exact needs of the project.

Expertise

Our stainless steels are cast either by continuous casting in Charleroi, Belgium, or by ingot casting in Le Creusot, France. The Charleroi plant can produce stainless slabs up to 355mm thick, giving the possibility to supply economical and flexible plates in duplex and austenitic stainless steels up to 3800 mm wide, 150mm thick, 16 m length and up to 20 tonnes unit weight. The Le Creusot mill can melt ingots in a wide range of specialty stainless and nickel-based alloy grades, either for internal plate production or for sale to forgemasters. Our plate dimensional range starts at 5mm (3/16") and can go up to and beyond



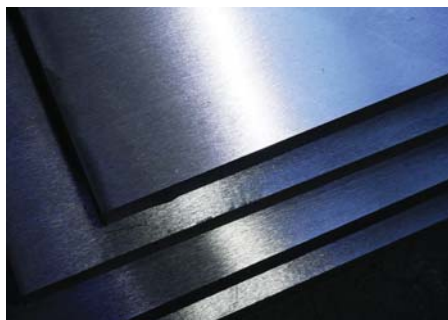
200mm thick through the use of the forging and rolling process developed at our third plant at Chateaufort in France. Our stainless steel business is supported by our integrated R&D centre in Le Creusot, working on continuous product development as well as providing technical assistance to our customers. Industeel supports sustainable development through the promotion of life cycle solutions such as the use of lean duplex UR™ 2202 instead of coated carbon steel for storage tanks used in the biofuel industry. We have also developed a full range of solutions for marine scrubbers, including special cost-effective high performance super-austenitic grades such as UR™ 4565 and UR™ 66.

Excellence

We are qualified for a wide range of critical applications, including Norsok M650 for oil & gas, R-CCM and ASME III for nuclear and DNV-GL for marine applications.



With sales offices all around the world, Industeel is constantly looking to provide better service to our customers and their projects, be it through providing added value through plate prefabrication at our facility in Dunkirk, France, building up mill stocks to help our distribution partners or by participating to project prototyping through our R&D centre.





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Intertubi SpA

INTERTUBI Spa is an Italian company founded in 1986 and located in Brescia (north of Italy – 100km from Milan) .Our company provides fittings, flanges, valves and pipes for industrial plant engineering in a variety of sectors such as systems with low working pressure and with agents of low to average corrosively (water, purification, textile, pharmaceutical etc...) and systems with high working pressure or with highly corrosive agents (oil, chemical, oil-pressure, naval sector...).

There are at least 5 good reasons to choose Intertubi

1-EXPERTISE

Intertubi is not only a stockist but also has manufacturing expertise. Intertubi is an ISO 9001 / AD 2000W0 and PED 97/23 / EC certified manufacturer of butt welding fittings.

Analyzing the technical specifications of the end customer and proposing appropriate solutions is our everyday job!

Items available on stock with extremely fast delivery time:

- EN 10253 butt welding fittings up to Ø 609,6 mm
- ASME B16.9 butt welding fittings schedule 10s/40s/80s/160s – up to 16"
- EN 1092-1 forged flanges up to DN 600
- ASME B16.5 forged flanges up to 20"
- seamless pipes acc.to ASME A312 sch 10s/40s/80s
- BSP Threaded fittings ISO4144
- valves



2-QUALITY CONTROL

All items produced directly or on its own specification by Intertubi or even just marketed must pass rigorous dimensional, mechanical and chemical tests. Full traceability of each item is always guaranteed.

3-AVAILABLE IN STOCK, WEB-SHOP AND FAST DELIVERY

Over 4'500 article codes always available, 20'400 sqm of warehouse (of which 8500 covered) and the possibility of making your online offers directly by yourself thanks to the new, recently completely renovated web-shop, make Intertubi your ideal partner



in management of orders for your warehouse or even complex orders such as packet orders or according to specification of your end customer.

4-ATTENTION TO THE SAFETY OF WORKERS

Intertubi is an ISO 45001 certified company. Every work activity of Intertubi or its suppliers must be carried out in full compliance with the most rigorous safety standards.

5-CARE OF THE ENVIRONMENT

Every day we understand more and more how important it is to preserve the environment.

Intertubi, certified ISO 14001, pays particular attention to respect for the environment, the true heritage for future generations.

Intertubi

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Website: www.intertubi.it/

Invex AB

Invex is your competent supplier of products, solutions and services in the metal industry, semi-finished products in Titanium, Special qualities of stainless steel, steel and Aluminium. Our strengths include a broad international network of contacts world-wide with plants and wholesalers in the metal industry and extensive material expertise.

Documentation

With documentation and traceability throughout the whole chain, we have full control over the processes from order to delivery. We can trace an order throughout the whole chain to provide you the customer with correct, reliable information. Good traceability is a requirement in production to meet the demands of both authorities and customers. There are also financial aspects of traceability. Reduced costs of faulty products, incorrect deliveries and cancellations are some examples of the benefits of effective traceability.

Corporate culture

Our corporate culture is characterized by commercial awareness, humanity and inclusiveness, and this is underpinned by a flat, fast-moving organization. Good business ethics and long-term, trusting relationships are important starting points both internally and in contacts with external parties.



The flat organization with short decision-making paths and decentralized responsibility results in good market knowledge and a proximity to our customers. It has been a precondition and a requirement for modern manufacturing industry in recent years to have extended collaboration, greater integration and more mutual commitments between companies throughout the entire value chain. These extended collaborations, in which business relationships are more like partnerships, suit us. We have for many years been working very closely with our customers throughout the whole product life cycle. From product development, production planning and production



technology to specially adapted delivery systems.

Service

Knowledge and service are two of our most important concepts in ensuring that you the customer ultimately receive the best possible product. Through our large network of contacts, we can obtain most materials and versions for you, the customer. We start with our warehouse, but if something is not in stock we can source it within a reasonable period.

We know what service is and we focus on you.

Titanium – Special Steels
Stainless Steel – Aluminium
PH-Steels – Nickel Alloys



Company details:

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Phone: +46 31 57 77 90
Email: info@invex.se
Website: www.invex.se

Irestal Group

Who are we?

Our history began 75 years ago, in 1945, where we were pioneers in the introduction of Stainless Steel in the Spanish market at that time. Since then, we have been able to provide technical and economic solutions for the Stainless Steel industrial sector through the different branches both nationally and internationally.

In Irestal Group, we guarantee the widest offer in the sector, a fast and efficient proximity service, and a complete service center with the latest technology as key factors for the group's success.

What do we do?

Our accumulated experience and our knowledge of the sector allow us to offer personalized solutions to more than 14,000 clients throughout Europe. Irestal Group offers you the most complete offer of products and services, storage capacity and an efficient delivery service.

Located in Barcelona, Spain, our central warehouse of more than 30,000m², has the capacity to store the entire range of Stainless Steel products, an experienced team and an innovative centralized logistics system, allowing us to supply all of our products in less than 48 hours. Irestal Group, has implemented and certified since 1999 a quality system UNE-EN-ISO 9001: 2015, which together with its team of professionals guarantees the highest quality of its products and services. This policy is based on the principles of honesty, leadership and



development of people, which are our commitment to continue improving.

Where can you find us?

You can find our offices throughout the Spanish territory, as well as in France, Portugal, the United Kingdom and Russia, ensuring our proximity service.

Our products

- Flat Products
 - Coils and strips
 - Sheets
- Long products
 - Bars
 - Angles
 - Profiles
- Pipe and tubes
- Fittings

Our Services

- Cutting to size (slitting, coil rewinding, leveling and cut-to-length, shearing)
- Finishes (grinding, satin, bright polishing, super mirror, circle polishing)
- Processing facilities for tube and bar

Shaping the future

75 years have passed and our principles and values continue to be valid in this world of constant change. The dynamics



speed and evolution of the industry represents an important challenge, where we constantly have developed the ability to adapt to the needs of the environment with a future vision. Our prestigious reputation and quality have been built since the very beginnings of the company and are due to a common objective from our workers and personal, leading to our Code of Ethics and Principles of conduct. These are the foundation of our commitment to integrity, law enforcement and the development of ethical behaviors towards our clients and suppliers in a global market. In the Irestal Group, we work to contribute to creating a better society, and adjusting to the fulfillment of the Sustainable Development Goals of the United Nations 2030, to build a more sustainable planet, the best legacy for future generations.



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 Website: www.irestal.com

JIANGSU HONGCHENG MARINE TECHNOLOGY CO., LTD

Jiangsu Hongcheng Marine Technology Co., Ltd is located in the stainless steel town of China - Dainan town. Our company occupies 160,000 square meters, and we have 150 employees.

We started the stainless steel business in 1990. Since then we have been specializing in management and technology development and set up our strict quality control system. We have certificates of TUV ISO 9001-2015 (01 100 1832726) and Directive 2014/68/EU and AD 2000-Merkblatt W0 (01 202 CHN / Q-20 0660).

We are a leading stainless steel long products manufacturer in China. We produce stainless steel angle bar, round bar, flat bar, square bar and hexagonal bar etc. Till now we have exported to more than 65 countries in the world.



Company details:

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MARINE TECHNOLOGY CO.,
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Fax: +86-523-83789288
Email: davidchan@hcsc.com.cn
Website: <http://www.hcsc.com.cn/>

Krogman Metals BV

As Krogman Metals BV, we are a stockist and exporting trader of long and flat products in stainless steel & special alloys.

Our high-quality and wide product range enables us to specialize in (excess) prime and secondary quality sheets, coils, tubes and bars, which we purchase from numerous suppliers and manufacturers all over the world.

Since our establishment, Krogman Metals BV has successfully been supplying its goods to clients in the equipment, machinery, automotive, offshore, energy and food industries.

We are located near the Rotterdam port, which gives us a strategic and logistical advantage during the trade of our goods in over 35+ countries on a weekly basis.

Due to our know-how and extensive service partners, we also have the opportunity to service customized orders of our clients; such as cutting, polishing or slitting in the shortest time period for competitive prices.

With our wide network and strong relationships with global manufacturers and stockists, Krogman Metals BV is able to offer turnkey services to its clients including: logistics, documentation, inspections and flexible payment terms.

Products:

- Coils (Width 25 – 2000mm)
- Sheets
- Blanks



- Tubes (Seamless and welded)
- Bars

Stainless Steel grades in stock:

- Ferritic
- Austenitic
- Martensitics
- Duplex

Surfaces in stock:

- 2B
- BA
- SB
- Duplo
- NO4
- 1D

With the support of our experienced and dedicated team, as Krogman Metals BV our client's requirements are our top priority, and we strive to become the best one-stop solution in the (excess) prime and secondary quality stainless steel industry.



For additional information regarding our company and products, please do not hesitate to get in touch with us.



KROGMAN METALS BV

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Website: www.krogman.nl

La MEUSIENNE

La Meusienne is a French manufacturer of **welded stainless steel tubes**.

Our production is dedicated to **process pipes for fluid transfer, heat exchangers, chemical appliances, sugar, food & beverage**.

Standard stainless steel austenitic or ferritic grades are available as well as some special ones such as Duplex, Super Duplex, Inconel, special alloys or heat resistant grades on demand.

Our sales dynamism, the expertise & know-how of our production teams, our flexibility and reactivity, our technical support will be at your disposal to enhance your success on the market. Several manufacturing processes are implemented by our qualified and experienced Workers with LASER or TIG welding skills.

Having La Meusienne as a supplier means:

• **QUALITY :**

ISO 9001/2015

Quality management in the heart of the production

Quality controls during the whole production process as well as in our laboratory.



• **PARTNERSHIP :**

We want to build a reliable relationship with our customers based on trust and communication with the common goal to build a sustainable future and win/win cooperation for our companies.

• **COMMITMENT :**

Our sales team is fully committed to customer's satisfaction. You can rely on quick answers, technical skills, and professional follow-up.

• **ON TIME DELIVERY :**

La Meusienne has a strong experience in the automotive business. Production forecast is one of our strength with over 95% OTD.

***You want to know more?
Just give us a call or send a mail!!!***



Company details:

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Website: www.lameusienne.fr

Loveire Bilbao I.S.L.

Loveire was founded in 1992, with the aim of distributing special steel for the power production market. Loveire is a company with wide experience in the field of Stainless Steel, Special Steels, alloys and so on. Our range of product is focus on OEM'S (Original Equipment Manufacturer) of valves, pumps, pressure equipment.

In 2006 it moved to its current location, where it has a 2600m² warehouse available for massive storage, and 300m² for offices. Due to market needs and with the aim of giving first class service to our customers, we have enlarge our warehousing capacity with an additional 1000m² under roof, in a new location in Etxebarri (Bizkaia).

Rolled and forged materials are available under European and American standards.

We hold ISO 9001:2008 certification.

We have available in stock materials A 105N, A 350LF2, A182F11cl.2, A182F22cl.3, A 276 T410, A182F6acl.2, A 416, A 420, A182F91, A182F347, A 182 F316L, A 182 F304L, A 182 F304H, A 182 F321 and Special Stainless steels Duplex, Superduplex and Ferralium.

The range of sizes goes from diameters of 80 mm to 1200 mm and forged Blocks up to 25 tns weight. All our material is made in EEC.

Our Band saws capacities are:

MAXS 560HFA

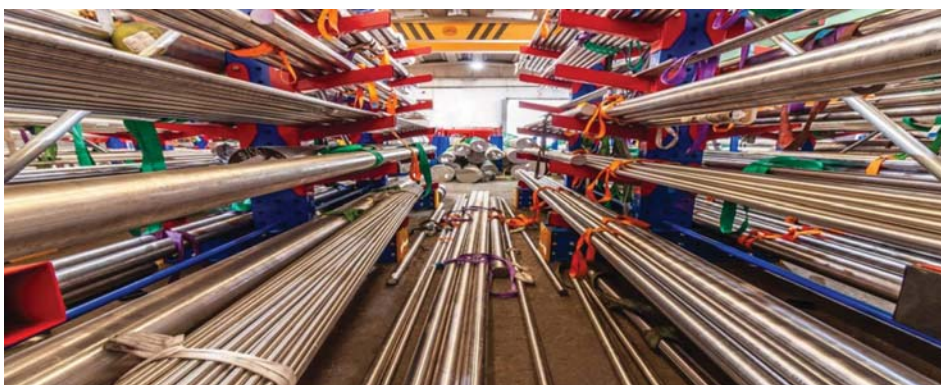
Up to Ø 570 mm and automatic cycles.

EVERISING H260 HB

Up to Ø 260 mm and automatic cycles.

DANOBAT CR260AF CN:

Up to Ø 270 mm and automatic cycles.



DANOBAT CP520AF CN:

Up to Ø 520 mm and automatic cycles

H-7065 EVERISING HANC:

Up to Ø 670 mm and automatic cycles.

DANOBAT CP800 ACN:

Up to Ø 800 mm and automatic cycles.

GANTRY 2MF FRIGGI 1500x2000x6000

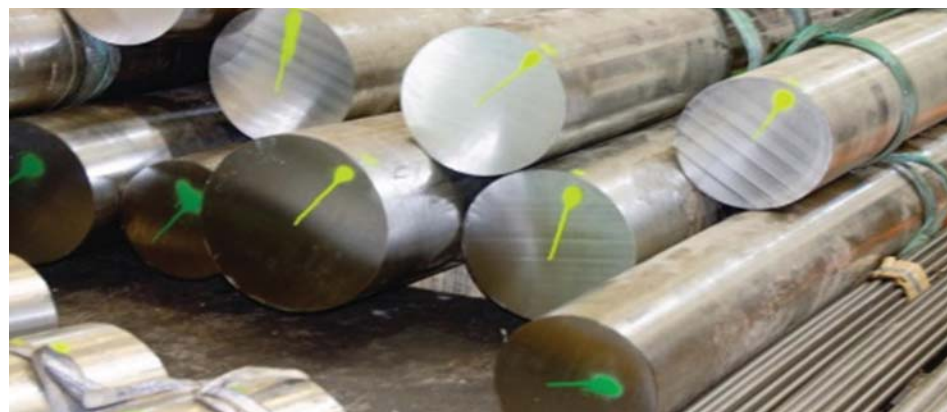
Up to Ø 1800 mm abd 1800x2200 mm

plate cutting angles 30", 45" and 60"

Automatic cycles.

THE MATCH 3 WATER JET

Is capable of cutting a wide variety of materials using a very automatic cycles. High-pressure jet of water (350 mm thickness capacity).



Company details:

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Maass Special Alloys Nederland B.V.

Who we are

Maass Special Alloys is your Nickel Alloys Specialist, supplying complete Nickel piping packages to customers worldwide. These packages are supplied from our own stock or through our network of manufacturers and distributors.

What sets us apart

Our team is committed to provide exquisite service and amaze our partners in our own unique ways:

- Our full stock range of seamless Nickel alloy pipes
- One stop solution including extra services, i.e. testing, cutting, colour coding
- Honest, passionate approach by our experienced and internationally diverse team

Seamless pipes available from stock

Over the past few years Maass Special Alloys has evolved into a stockiest of Nickel alloy pipes. Recently we have added new material grades and sizes to our stock; our stock now covering a full range of seamless pipes in the following materials and sizes:

Seamless Nickel Alloy Pipe available from stock			
Incoloy 825	ASTM/ASME (S)B 423 UNS N08825	½" – 8"	Sch10S – Sch160
Inconel 625	ASTM/ASME (S)B 444 UNS N06625	½" – 6"	Sch10S – SchXXS
Alloy 20	ASTM/ASME (S)B 729 UNS N08020	½" – 8"	Sch10S – Sch80S
Hastelloy C276	ASTM/ASME (S)B 622 UNS N10276	½" – 4"	Sch40S – Sch80S
Hastelloy C22	ASTM/ASME (S)B 622 UNS N06022	½" – 2"	Sch40S – Sch80S



Our stock material is dual certified in accordance to ASTM/ASME standard and in line with international specifications. Additional testing can be supplied from our own, or third-party testing facilities. We can support you even with the smallest enquiries, due to our own cutting facility.

Complete piping packages

Apart from being a stockiest for nickel alloy pipes, we are also a supplier of

Pipe / Fittings (BW and Forged) / Flanges / Plate / Round Bar			
Monel 400	- UNS N04400	Incoloy 825	- UNS N08825
Inconel 600	- UNS N06600	Alloy 20	- UNS N08020
Inconel 625	- UNS N06625	Hastelloy C276	- UNS N10276
Incoloy 800H/HT	- UNS N08810/8811	Hastelloy C22	- UNS N06022

complete piping packages. Due to our experienced team and our strong partnerships we are able to supply the following as well:

Our philosophy

The part that we are most proud of as a company is our team of



professionals. We are an experienced team, who believe honesty is the best medicine. Due to this philosophy, the experience and flexible nature we are able to give swift answers to your Nickel requirements. The Maass Special Alloys family even speaks 7 different languages in total, resulting in us trying to assist our customers and suppliers in their own language. Maass Special Alloys is dedicated to offering support and service to any requirement you may have.



Company details:

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 Email: sales@maass-special-alloys.com
 Website: maass-special-alloys.com



Mannesmann Stainless Tubes GmbH



Through our core commitment to quality and continuous process innovation MST's production technologies lead the industry for efficiency, competitiveness and flexibility.

Global Manufacturing – bringing together our integrated facilities in Germany, France, Italy and USA whilst embracing our developing relationship in India.

Service – ensuring our Customers have the reassurance of personal account management- taking into account our capabilities across all our facilities to demonstrate the best range of solutions – from lead time, quantity, specification to cost competitiveness.

Understanding the need for supporting demands from cut pieces/components to straight lengths up to 43 m (140ft) long (depending on specification) and quantities from 1ft upwards.

Quality management is at the foundation of our business – from the raw material to final testing we use our own, state of the art laboratories to evaluate, test and fully validate our products to the Customer requirements. Giving our Customers complete peace-of- mind over originality and compliance.

Flexibility – we understand the demands and needs of today's Customers- for innovation, cost competitiveness and flexibility.

Short Lead time – Utilising the flexibility of our specialised tube production facilities in Issoudun, France and Houston,

USA, we have launched a new service offering a manufacturing lead time of 6 weeks, to support rapid delivery needs on breakdown requirements.

Initially focused a standard range of Seamless stainless & Nickel alloys in heat exchanger type sizes but with flexibility to consider individual needs. See Website for full details.

Small Quantities – with the integration of SOTEP, Issoudun, France into our group we able to bring an extra dimension to our offering both in terms of expertise in manufacturing critical specification tube but also flexibility in terms of manufacturing small lot sizes from 1ft.

Our **Product** range produces tubes and pipes from 1.6mm OD (0,063”) to 273mm (10”NB) with wall thicknesses from 100 microns up to 50mm (2”).

Materials from standard austenitic through super austenitic, duplex, super duplex, martensitics to highly sophisticated Nickel based alloys. Using melt technologies from AOD to Vacuum remelt- VAR, ESR, VIM, VAR.

Markets served – our diverse range of markets served includes:

Oil & Gas	OCTG, Umbilicals, Subsea
Power	Nuclear, Solar, Conventional, Waste-to-Energy
Petrochemical	Aerospace Chemicals, Fertilizer, Environmental technologies.

Products

Tube	Instrumentation Heat Exchangers Process control & measurement Furnace Boiler
Pipe	Mechanical Hollow Bar

Whilst the team at MST is excited about supporting the innovation of tomorrow's technologies, MANNESMANN is also proud to have been the original inventor of the seamless tube making process and over 130 years of history and experience.

FOR FURTHER INFORMATION:

www.mannesmann-stainless-tubes.com

Follow us on Linked In for all the latest news.



MANNESMANN
STAINLESS TUBES
A Member of the Salzgitter Group

Company details:

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Website:	www.mannesmann-stainless-tubes.com

Marcegaglia Specialties

Marcegaglia Specialties is the company owned by Marcegaglia group which manufactures stainless steel for the production of **tubes, flat products and cold-drawn bars**, processing **over 700,000 tons of steel** per year (including stainless steel products and cold-drawn bars), with a turnover of more than **1.35 billion euros**.

Over the years Marcegaglia Specialties has gained a leading position in the production of stainless steel welded tubes.

The manufacturing process is carried out within manufacturing plants worldwide in Italy, Russia, Turkey and Brazil, guaranteeing a consistent level of quality for its products and services.

In Italy Marcegaglia Forlì, the world's largest stainless steel tube manufacturing unit, hosts 33 tube mills and operates according to certifications including ISO 9001, ISO/TS 16949 (automotive sector) and ISO 3834-2 (special for welding process) for quality systems, ISO 14001 for environmental, and ISO 18001 for safety. It also has product marks such as DVGW for water and gas pipes in the energy sector, TÜVPED and TÜV AD2000 W2/W10 for pressure equipment.

The fabrication process is carried out according to two main manufacturing standards: EN 10088-4 for structural, building and construction applications with CE marking and EN 10028-7 for all pressure purpose applications, certified TÜV AD 2000-W2-W10 for pressure equipment.

The company has implemented the production of ferritic and duplex tubes, extending its range of application



sectors: automotive, chemical/ petrochemicals, heat exchangers, construction and carpentry.

Marcegaglia Specialties is also an important player in the production of stainless steel flat products: austenitic and ferritic coils, strips and sheets, with excellent quality levels for both surface appearance and mechanical characteristics. This has led to approvals in important sectors such as automotive and chemical/ petrochemicals.

Stainless steel flat products are processed at the Gazoldo degli Ippoliti (Mantua) production plant - where Marcegaglia's headquarters is based - processing 2D/2B cold rolled coil and strip with 0.8mm to 5.0mm thickness, 1D hot rolled coil and strip with 2.0mm to 6.0mm thickness, 1D hot rolled and 2D/2B cold rolled sheet 1,000/1,250/1,500mm wide.

Thanks to the purchase of the new cut to length line, able to flatten coils **up to 2,000 mm wide** and 12 mm thick, Marcegaglia Specialties, to better meet the stainless steel market demand, extends its product range of flat products by adding a new range of hot rolled stainless steel sheets, with a **width of 2,000 mm, thicknesses up to 12 mm**, in 304L, 316L and 316Ti grades. The **new sizes** are available in stock and production in standard packages 1,500 / 2,000 kg.

In order to be always close to the market needs, Marcegaglia Specialties has recently launched **EuMarc®** stainless steel bright bars, a product characterized by consistent mechanics and chemistry, **made of 100% European stainless steel**.



Company details:

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Website: www.marcegaglia.com

MARPHIL International

MARPHIL International was established in 1984 with a clear strategy to offer some specific non-ferrous metals into Western Europe.

In order to guarantee a premium quality, we set up partnerships with a few producers of excellence; all of them ISO/PED and with the best references.

We are specialized in 8 non-ferrous metals:

- * ZIRCONIUM * NICKEL ALLOYS
- * HAFNIUM * TITANIUM
- * TANTALUM * TUNGSTEN
- * NIOBIUM * MOLYBDENUM

We have organized ourselves in such a manner that we can propose these

high tech metals in just about any presentation, including:

- Plates, sheets, foils
- Welded tubes, seamless tubes, pipes, fittings
- Billets, bars, wires
- Forgings, castings, flanges
- Fasteners and welding products
- We can quote for small quantities and fast deliveries.
- We can quote for big quantities for large projects.
- Our materials are certified acc ASTM / ASME, or AMS, or AWS. We can supply according to NACE specification also.

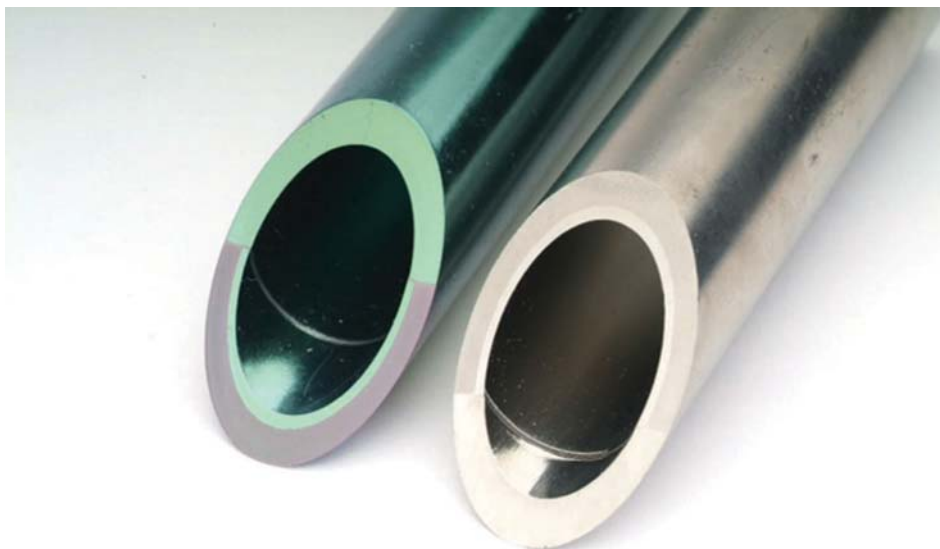
Some years ago we decided also to work on a few ferrous materials, actually some very specific stainless steels. We have developed our presence in that new field of activity with the following grades:

- 310S, 317, 347, 904L, 254 SMO
- Duplex and superduplex such as UNS 31803 / 32205, 32550, 32750, 32760 as well as Nitronic 50 and Nitronic 60, Waspalloy, Maraging and Invar/Kovar.

We are quite strong in stainless / nickel alloy tubes with very fast production and delivery time. We can draw your specific dimensions from small diameter like OD 3mm up to OD 38.10mm and deliver in four weeks. Our minimum quantity is only 6 metres! But we can also re-draw several hundreds of tubes and still deliver in 4 weeks, or less!

With our subsidiary ID ALLOYS, we also carry in stock more than 100 tons of nickel alloys and cobalt alloys in sheets and round bars for the aerospace market (ISO 9120 approved) and the chemical / oil & gas markets

Our team will be delighted to receive your inquiries and to be in contact with you.



ATI OmegaBond® Tubing. Titanium outside, Zirconium inside for best results in urea-strippers. (Photo courtesy of ATI)



Company details:

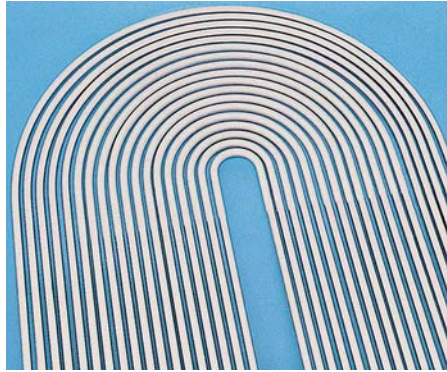
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MARUICHI STAINLESS TUBE CO., LTD.

As of June 1, 2020, the Company has changed its name to “Maruichi Stainless Tube Co., Ltd.” The new corporate name clearly identifies our affiliation with the Maruichi Steel Tube Group and our continued commitment to manufacture seamless stainless steel pipes and tubes within the Group.

Since our founding in 1959, our Company has produced seamless stainless steel pipes and tubes fabricated through the Ugine-Sejournet hot extrusion process, for over 60 years. Throughout this period, the Company has been favorably supported by our customers, both domestic and international, allowing us to continuously provide new and high-quality products capturing the evolving needs of each era, and to uphold our share of technological progress of manufacturing in Japan.

The Company will persistently strive to establish the new corporate name of “Maruichi Stainless Tube Co., Ltd.,” as the top-rated brand in seamless stainless steel tube, recognized by both our customers and industry stakeholders. The corporate name change will also be the impetus to pioneer a new era for our Company through transformative renovation. We will continue to be steadfast in responding to the new demand for



seamless stainless steel pipes and tubes, evolving from the shift towards a Low-Carbon Society in the resource-energy industry, or the expansion of the semiconductor industry.

Products

Seamless Stainless Steel tubes and pipes
Instrumentation tubes and pipes

Material Grade

Austenitic / Ferritic Stainless steel (TP304/L, TP316/L, TP405, etc.)

Duplex (S31803, S32205, etc.) /

Super Duplex (S32750, S32760, etc.)

Ni Alloy (UNS N08800, N08825, etc.) /

High Ni Alloy (UNS N06625, N06022, etc.)



MARUICHI STAINLESS TUBE CO.,LTD.

Company details:

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Email: inquire-mst@mstube.co.jp
Website: <https://www.mstube.co.jp>

MAYSKY STAINLESS STEEL CO.,LTD

Maysky Stainless Steel was established in 2001. It is one of the largest suppliers of stainless steel products in China. In 2014, Maysky established a professional exporting team.

We are professional in manufacturing stainless steel welded tubes, with more than 72 production lines. We provide a wide range of stainless steel products, including stainless steel welded tubes, sheet, strip, coil and fittings.

The main industries we supply to are in decoration, architecture & building, food & beverage, resources & construction, oil & gas, and petrochemical industries, with the standard of ASTM A554, EN 10296-2, EN 10219-2, EN10357, A249, A269, A270, A312, EN10217-7 etc.

We have established strong business relationships with customers in more than 57 countries, such as Russia, Lithuania, United Kingdom, Sweden, Italy, Denmark, Poland, Colombia Peru, Chile, Egypt, Saudi Arabia, Turkey, Singapore, Thailand, Laos etc.



18 years of production experience and professional export procedures will earn your trust.

MARKETING

Maysky always take "market-oriented" as business philosophy, we are not only trying to keep observing the stainless steel welded tubes market information, but also trying to seek better marketing methods to meet customers' demand. We attend many domestic and abroad exhibitions every year, after on-the-spot investigation and understanding of Russia, Turkey, Germany, Netherlands, Mexico, Indonesia, Thailand and other principal markets, we can get effective communication with the customers. The



most important is that we can provide more professional, suitable products and services to our customers.



MAYSKY

Company details:

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 Website: www.mayskyss.com

Merinox BV

A summary of our business concept

The Merinox group faces fierce opposition in the market place. We approach this situation armed with our unique weapons: Large stock & flexibility. Merinox group is a privately held company with very committed owners and a dedicated staff of more than 35 tubing professionals. To us every customer is an important customer whether for one length or 1000 lengths, it doesn't matter.

Starting point is our commitment to quality

Merinox builds its operations on two cornerstones: Product and service of the highest quality, combined with an optimal service level and security of supply.

The only way we can win the confidence of our customers is by means of an uncompromising commitment to quality.

With export to more than 60 countries worldwide, absolute security of supply is just as important for our success. Our goal is 100% guaranteed delivery of goods, if there is ever a risk of any delay, the whole company swings into action to avoid problems for the customer at any cost.

Europe's biggest tube stock

As a leading stockholder we carry the biggest stock in Europe, specialized only in seamless tubing for instrumentation – hydraulic – coiled –



capillary - high pressure - control lines – high temperature – chromatography – cleaned – multi core – pre-insulation. With a stock facility of over 2 million meters of tubing and more than 5000 articles, from standard stainless steel to very hard to get nickel, copper, duplex, super duplex and titanium materials or odd ball tube dimensions. Naturally all our products are produced and supplied in accordance with and to quality assurance procedures based on ISO 9001.

In addition to the head office and main warehouse in Alblasserdam, near Rotterdam in The Netherlands, which is responsible for the Benelux and worldwide operations, Merinox has subsidiaries in:

- Oldham, near Manchester for United Kingdom & Irish market
- Ratingen, near Düsseldorf for German, Swiss & Austrian market

Sizes & qualities

Our size range is from 0.30 mm o.d. up till 60 mm o.d. in metric as well



in imperial, on random lengths of 6 meter and on coils up to 1000 meter long!

In addition to the standard type 304L, 321, 316L & 316Ti, we carry large quantities in stock of several special alloys such as; 310/S, 317L, 904L, 254SMO (6Mo), Duplex S31803, Super Duplex S32750, Monel 400, Inconel 600 & 625, Incoloy 825, Hastalloy C276 & C22 and Titanium grade 2. With all kind of specifications such as ASTM, ASME, ISO, NACE, PED and Norsok.



Company details:

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Millstock Stainless Limited

Millstock Stainless Limited was established in the 1990s and quickly built up a reputation for the fast, efficient and reliable supply of quality stainless steel products and services. Over the years Millstock Stainless has continually invested in both people and processing capability and is very proud that in 2012 they moved into a brand new, purpose built warehouse and processing facility along with associate companies Quest 4 Alloys Limited and M Precision Grinding Limited. The move into new premises has helped Millstock to continue to develop a strong and varied customer base and supplies into an ever growing and diverse range of industries that are serviced daily which include:

- Nuclear Power Generation
- Water Industry
- Marine
- Petro-Chemical
- Architectural
- Automotive
- Construction
- General Engineering

Offering a wide and varied range of both materials and products we can, through our extensive stock range and global supply chain, meet all your stainless steel requirements.

Millstock Stainless offers an extensive range of Special Stainless Steel Sections including Beams, Channels Tees and Angles and Special Bespoke Shapes, all available due to the flexibility of the processing method of Laser Fusion Welding. The Quality of the Laser Welded Products supplied are of the highest possible standard and because of the technology used it enables Millstock to offer Sections that give greater flexibility when it comes to choice of material grade, section size and thickness. All of these can be



produced with shorter lead times than traditional hot rolled sections, whilst not compromising on strength. The Stainless Steel Laser Welded Products supplied by Millstock Stainless have gone into some of the most demanding environments, indeed the Laser Fusion Welding process is now included in the Nuclear specification ES 0 5394 2. This makes it now even easier to choose the right Stainless Steel Special Section, no matter what the shape, for your needs.

With the move into the new warehouse and processing facility in 2012 it enabled Millstock to add to their processing capability and now boasts a Precision Centreless Grinding facility that can process material up to 220mm dia and in lengths up to 15 metres (50ft) long, and from Qtr 1 2021 with investment in a purpose-built grinding machine maximum diameter will increase up to 350mm, all of which enables the supply of Precision Ground shafts to very tight tolerances. For Marine applications in 2012 Millstock Stainless introduced the Nauticalloy Brand

of Marine Propeller Shaft Material that has over the years gained International recognition and is now being specified by many of our long standing customers. We can also supply all of the material we offer complete with 3rd party inspections such as LRS, DNVGL, BV, ABS, RINA, RMRS and many more.

The quality of the materials and products offered by Millstock Stainless are backed up with, not only a commitment to supply from the most reliable hand-picked stainless steel suppliers worldwide but also within the scope of our ISO 9001-2015 Quality management System. This is reviewed annually to ensure that the very latest standards are complied with, and to ensure that all materials will be supplied correctly, every time.



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MRC Global Inc.

MRC Global: Sourcing Experts in Stainless & High Alloys

MRC Global is the world's leading PVF distributor, and the company has developed a world-class offering in stainless and alloy products.

"Economic downturns drive innovation, and that is true at MRC Global," said Andrew R. Lane, MRC Global's President & CEO. "In the last year, we have expanded our e-commerce solution, MRCGO™, and focused on providing even more value for our customers through specialty products and services."

High alloy and stainless products are notoriously difficult to source and distribute effectively. Sourcing the variety of materials, grades and detailed specifications, requires expertise that comes from decades of experience in the stainless and alloy markets. With operations established across 20 countries, MRC Global's team of highly experienced product specialists form a comprehensive network of experience and knowledge to help identify the best products and services to fully meet even the most complex and unique requirements.

The company has provided high alloy and stainless products to customers for decades, but more recently, the company has expanded those capabilities globally. In 2011,



MRC Global acquired Stainless Pipe & Fitting in Australia to expand capabilities in Australia and Southeast Asia. Then, in 2013, the company acquired Flangefitt Stainless Limited in the UK and, in 2014, Stream AS in Norway, which further enhanced the MRC Global portfolio with offshore and capital projects expertise. One of MRC Global's strengths lies with its quality assurance program. This proactive quality process has helped MRC Global to develop long-lasting relationships with the best, most reliable manufacturers in the world. To be considered on MRC Global's Approved Supplier List (ASL), a rigorous onsite audit and evaluation is performed.

MRC Global's inventory has significantly increased to house special material valves in austenitic, nickel alloy and chrome moly grades,



all stocked plentifully and ready for quick delivery. These product offerings include stainless steel and alloy valves from 1/2" through 24" 150#-600#, 800# and 1500# in a wide variety of combinations. MRC Global also stocks instrumentation tubing, pipe, fittings and flanges from 1/4" through 24" in varying alloys including 300 series (T304/L, T316/L, T317/L, T321/H, T347/H), nickel alloys (Alloy 20, C276, Alloy 400), duplex, super duplex, 6% moly, titanium and Chrome Moly (5, 9 and 11). To learn more about MRC Global and how to put their expertise to work for you, visit www.mrcglobal.com.

MRC Global

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Nichelcrom Acciai Inox S.p.A.

Nichelcrom has been the leading company on the stainless steel international market for more than 50 years.

Since the beginning we have had the desire to satisfy our customers' requirements and now we offer, in an area of approx 50.000 covered sqm in two owned plants, more than 55.000 tons in different types and sizes. Our website can provide all information about our cutting and slitting lines, such as our surface finitures.

Just a focus on our last efforts: our decoiling line up to 16mm (2000mm width and 20.000mm length) and our brandnew grinding/brushing machine for coils 5x2000mm.

Our thirst for new challenges has brought us to explore a new dimension for us: the interior design.

Stainless steel is stronger and more resistant, easy-cleaning, antibacterial, fireproof and 100% recyclable.

We will present supermirror coloured,



with the same visual effects of mirrors but unbreakable, anti-slippery floor plates, elettro and nanoceramic coloured material (with anti-fingers and waterproof features).

We are Nichelcrom, we believe in innovation.



NICHELROM

Stainless Steel

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NIPPON STEEL Stainless Steel Corporation (NSSC)

NIPPON STEEL Stainless Steel Corporation (NSSC) was launched on April 1, 2019.

The company is an integration of the former Nippon Steel & Sumikin Stainless Steel Corp., the part of the steel sheet business of former Nippon Steel & Sumitomo Metal Corp., and the steel sheet business of the former Nisshin Steel Co., Ltd. NSSC is the largest stainless steel manufacturer in Japan with a crude steel production capacity of approximately 1.8 million metric tons.

NSSC produces a range of truly unique products which will continue to drive its growing presence in the global market. In 2010, NSSC FW™ (Forward) series were successfully developed. They are the world's first nickel-free stainless steel with tin and less chromium. They are not only cost-saving but also stabilizing price fluctuation. In 2012, NSSC 2120™ was rolled out. Because of its good weldability, this new duplex is used to a wide variety of application such as floodgates, land-locks, frames and beams and so on, and now has an ace-high reputation from the market.

Furthermore, the integration last year provides opportunities with NSSC to grow significantly. By combining its resources such as production technology, technological development and marketing expertise, it became possible to achieve improvements which could not be done individually before the integration.

Development of NSSC 2351™ is typical example of the synergy from the integration. In September 2019, NSSC launched this new-generation duplex as the first post-integration commemorative product through sophisticating in-house expertise. Characteristically, NSSC 2351™ has better corrosion resistance than SUS316L. Its main target is the environments where higher corrosion resistance is required such as infrastructure facility facing brackish water, tanks and containers for food &



chemical industries. Above all, since the demand for duplex for civil engineering project is increasing, NSSC 2351™ is becoming one of the best option which can meet demands for longer life and less lifecycle cost.

NSSC will continue to focus on constantly producing high-quality and advanced stainless steel products to provide the best solutions with the customers.

NSSC's mission statement

- High quality, high value-added and advanced stainless steel products
- Providing processing technology and other services; offering precise & prompt delivery
- Providing solutions to customers through the above initiatives



NIPPON STEEL Stainless Steel Corporation

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Nippon Yakin Kogyo Co., Ltd.

Nippon Yakin Kogyo was established in 1925. Since the commercialization of type 304 stainless steel in 1935, the company has continued to research ways of manufacturing high-grade stainless steels and super alloys from nickel ore. Over the years, the company has systematically developed outstanding technologies and sophisticated production facilities under a comprehensive quality assurance system. Moreover, the company's products have earned a high reputation among customers.

Nippon Yakin Kogyo is now expanding confidently its business field to manufacture high-performance alloys for new applications together with conventional stainless steel aiming at a "new specialty stainless steel manufacturer".

Products

Coils, sheets and plates

Materials

Standard austenitic stainless steels (type304, type316L, etc.)

Super austenitic stainless steels (S31254, S32053, N08367, N08354, etc.)

Duplex stainless steels (S31803, S32205, S32506)



Super duplex stainless steels (S32750, S32760)

High strength stainless steels (S17400, S17700, S20910, etc.)

Ni alloys (N02201, N04400, N06600, N06601, N08810, N06625, N08825, N06022, N10276, Fe-36Ni alloy, etc.)



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NIRONIT Edelstahl GmbH & Co. KG

YOUR SPECIALIST FOR STAINLESS STEEL

NIRONIT Edelstahl GmbH & Co. KG is known for the procurement and worldwide supply of stainless steel in the highest quality.

We are distinguished by our 38 years of experience as well as our excellent reputation as a stockist and dealer in special materials.

We offer excellent cutting service and stainless steel in all standard grades and special qualities, as well as nickel alloys and titanium.

Our product range includes cold-rolled and hot-rolled standard formats for the sale of sheets, as well as quarto plates for sheet service.

EXTREMELY MODERN MACHINERY

In the 4,500m² production hall, the ultramodern machines and the excellently trained employees form the perfect unit.

NIRONIT offers you state-of-the-art cutting processes using water-jet, plasma, laser and sawing machines.

We are still investing in our machinery to always achieve the best possible results.

At present, the company uses, among others, three water-jet systems, one of which has a 4-head system. Besides a conventional plasma system, we also have a hi-focus-system and two saws.



EXTENSIVE ASSORTMENT

We are constantly expanding our offer for our customers. In addition to sheets and blanks, the product portfolio includes an extensive range of special materials for pipe and tube accessories, bar steel, flat steel and strip steel, as well as angles and profiles.

Cuts are produced and delivered quickly. If required, these can be deburred and rounded on both sides with the grinding and deburring machine or ground on all sides in the vibratory grinding process.

At the beginning of 2020 our stock range and inventory was fully expanded in the qualities: **1.4000/AISI 410 S**, **1.4003/UNS S 41003**, **1.4006/AISI 410**, **1.4313/UN S 41500**, **1.4418/UNS S 165M**, **1.4435/AISI 316 L**, **1.4539/AISI 904 L**, **1.4547/254 SMO/UNS S 31254**, **1.4550/AISI 347**, **1.4835/253 MA/UNS S 30815**, **1.4162/UNS S 32101**, **1.4462/UNS S 31803**, **1.4903/AISI A 387/Gr. 91**.

UNIQUE SERVICE

For customers with recurring needs, NIRONIT offers the storage of specified materials or blanks and also the supply of their stainless steel requirements.

Thus, we guarantee short-term call orders and timely production.

Together with us, you benefit from a complete planning reliability, as well as lower financial and storage costs.



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Officine ORSI S.p.A.

Officine ORSI has been working in the stainless steels field since 1954. The great experience achieved during these years, has allowed them to extend the range of materials to all Nickel alloys, Titanium, Zirconium, Duplex, Superduplex and Superaustenitic stainless steels.

Production

Officine ORSI can produce a complete range of standard or made-to-measure products for all applications whenever resistance to high corrosion and high temperatures is required.

The production range consists of:

- **PIPES** - made from plates - dia. 1" ÷ 100", w.t. 2 ÷ 60 mm, length up to 12 m.
- **FITTINGS** - seamless dia. ½" ÷ 8", welded dia. ½" ÷ 40", w.t. 2 ÷ 50 mm.
- **PRESSURE VESSELS** - reactors, columns, flare tips.
- **PIPE SPOOLS** - prefabricated according to customer's drawings.
- **SPECIAL PRODUCTS** - according to customer's specifications.

Stock

In order to guarantee an efficient and quick service, Officine ORSI can supply an ever increasing range of products directly from their stock:

- PIPES and FITTINGS seamless and welded, from 1/2" to 8", Sch.10s and 40s
- TITANIUM Gr.2, ALLOY C276, C22, 625, 825, DUPLEX, SUPERDUPLEX, 904L, 254 SMO.

Full package supply

Welded and smls pipes, welded and smls b.w.fittings, forged fittings, flanges, gaskets, bolts, nuts, made to measure products.

Quality

The main goal for Officine ORSI is to achieve customer satisfaction and to do so, they aim to continuously improve the quality of their products and processes.



For this purpose they have implemented a management system certified by LLOYD'S REGISTER for quality assurance, safety at work and environmental protection in accordance with **ISO 9001, ISO 14001 and ISO 45001**.

They are qualified by TÜV for the supply of products complying with Directive **PED 97/23/EC, AD2000 MERKBLATT W0 - HPO** and also for products used in the Nuclear field.

The company is also qualified for the production according to **NORSOK M-650** requirements and has obtained the qualification "**ASME U-stamp**" as producer of parts and components/pressure vessels.

The whole range of products is manufactured in accordance with the most common standards (**ASTM, ASME, EN/ISO, DIN**) and it can be supplied inspected by third official bodies (certificate EN 10204/3.2).

ORSI has implemented a quality system in accordance with **UNI EN ISO 3834-2**

and certified by TÜV, for all welding processes.

Welding is carried out by qualified staff, under the supervision of their welding technologist (**I.W.T.**) I.I.S. qualified (Italian Institute of Welding).

The welding procedures used at ORSI are qualified according to the most known international standards (**ASME IX** and **EN**) and attested by TÜV, LLRR, Bureau Veritas etc.

Officine ORSI has its own testing and inspection department with qualified staff according to **SNT-TC1 A** and **UNI EN 473** for the non destructive tests.





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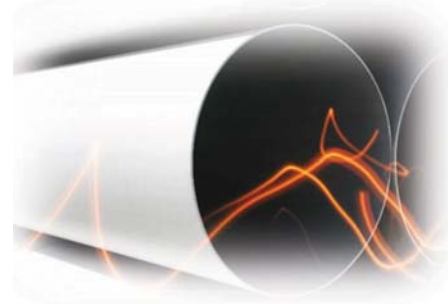
OSTP Finland Oy AB

A SPECIALIST IN WELDED STAINLESS STEEL TUBULAR PRODUCTS and EUROPE'S LARGEST MANUFACTURER OF WELDED STAINLESS STEEL ELBOWS.

OSTP is a joint venture company owned 51% by Agave Srl (a Gatti family company) and 49% by Outokumpu Group. OSTP is a leading producer with a long production history going back over 100yrs in Sweden and over 70yrs in Finland, with a 490 person strong staff and currently a production capacity of some 65,000T of Welded Pipe and 10,000T of Welded Butt Weld Fittings. Our manufacturing units are based in Sweden & Finland with 4 primary production sites and two distribution sites in Italy.

As a Specialist in Welded Stainless Steel Tubular Products focused on Pressure Corrosion Piping Applications, OSTP serves a global customer base with Welded Tubes and Pipes - Butt Weld Fittings and Fabricated products in all Standard and Special Stainless Steel grades including Duplex – Super Duplex – Super Austenitics and Heat Resistant grades.

Customers can benefit from a speedy and reliable Ex-Stock Mill service from OSTP's extensive product range in ISO / Metric and ANSI standards and Tailor-Made solutions and Services on a make to order basis. Our customer's needs are always at the center of our actions and decisions and our structure supports



this with an extensive local sales network throughout Europe, enabling customers to benefit from easily assessable, fast and personal services. We pride ourselves in our product quality and invest in maintaining a wide range of third-party approvals to support most industry segments and our commitments to the environment and health & safety.

Our core values are our guiding principles and the highest level of priority in our company. We summarize this in the following core values:

- Safety first
- Rely on quality
- Socially responsible
- Responsible and ethical
- Customers at the center of decisions
- Environmentally conscious
- People oriented
- Responsive
- Innovative
- Flexible

Our business decisions are taken in compliance with the highest ethical



standards, as we strive to achieve sustainable growth, always applying best practices and technologies to preserve the environment and the health and safety of our personnel, contractors and customers. For further details regarding OSTP and our products / services / credentials and your local sales contacts please visit our website: www.ostp.biz or contact: David Garrett (Head of Sales and Marketing) @ david.garrett@ostp.biz or call +46 76 818 2629



OSTP

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P.A. Inc.

Leading the way with solutions to specialty alloy piping requirements

P.A. Inc. is a piping material distributor which can provide your company with the most efficient and effective process for procuring the highest quality nickel, high nickel alloy and specialty stainless steel piping products in our industry.

We maintain the most extensive and comprehensive stock of **Nickel 200, Alloy 400, Alloy 600, Alloy 601, Alloy 625, Alloy 800H/HT, Alloy 825, Alloy 020 and Alloy C-276** piping materials in North America. Additionally we maintain an inventory of the complementary butt weld fittings, (including 180 return bends) flanges, forged fittings and fractional tubing in the aforementioned alloy grades. We also maintain a **full line inventory** of specialty stainless steel piping material in grades **304H, 2205 and Titanium**. In conjunction to the products we inventory, we have the capability to **provide custom fabricated components** made from nickel, high nickel alloy and specialty stainless steel to your exacting specifications.

P.A. Inc. is committed to working with our customers in developing the straightest and strongest supply chain which will produce the most value-added results. We continually look for ways to eliminate any unnecessary links (duplicate, non-essential costs) in the supply chain between the manufacturer and the end user. All products we distribute are acquired factory new from the most reputable manufacturers in the world. We do not "broker" material nor do we advocate the utilization of surplus goods. All our efforts are supported each and every day through a qualitative specification assurance process which is second to none and certified to **ISO 9001 - 2015 through Platinum Registration, Inc. which is ANAB accredited**. We recently passed our 3 year follow up audit in flying colors. We maintain complete material traceability not only to the manufacturer, but to the origin of the raw material as well. Products provided by **P.A. Inc.** are supported by a complete set of original Mill Test Reports with shipment and can be provided with the billing notice if so required. All material composition and property data is retained in our in-house data storage and retrieval system. Our **qualitative specification assurance process** includes in-house positive material identification (PMI)



capabilities that include alloy verification utilizing a nuclear analyzer and chemical content verification utilizing an optical emission spectrometer. Additional specification assurances include liquid dye penetrate testing, ultrasonic wall thickness testing, ferrite content confirmation and scope examination of internal walls for abnormalities. All our customer service representatives have direct customer communication capabilities via phone, fax, scanner, email, text, or internet. We are continually upgrading our data environment capabilities as changes in technology become available. This will allow us to continue to **meet or exceed our customer requirements in the always changing market**.

Today's business climate is considerably different than in years past. We realize that to maintain market share and outperform our competition, P.A. Inc. must be a company "set apart" from all others in our industry. In order for this to be realized, we must always be the most efficient in all facets of our business. All phases of our business must be continually scrutinized for improvements, which will result in meaningful, effective productivity gains. We at P.A. Inc. firmly believe if we provide the best service, offer quality products at fair competitive prices, build strong relationships with our business partners, and strive for continuous improvement not only in our organization, but within our industry, we will maintain a strong competitive edge in our industry. We know if given the opportunity, P.A. Inc. can provide you with the **most value added supply chain for nickel, high nickel alloy, specialty stainless steel and titanium piping products**.



For additional information regarding our company, our capabilities and the latest news concerning nickel, please visit our website at www.PAInc.com

COMPLIANCE STATEMENT: *All products sold by P.A. Inc. are subject to United States Export Controls and any export must be in compliance with United States law*****

Inventoried Grades of Material

High Nickel Alloys

Nickel 200, 400, 600, 601, 625, 690
Alloy 800H/HT, 825, C-276, Alloy 020

Specialty Stainless Steel
2205, 304H

Titanium

Grade 2, Grade 7

Pipe

Type: Seamless and Welded
Size Range: ½" thru 12"
Schedule: 10S, 40S, 80S, 160, XXH

Flanges

Type: Weldneck, Slip-on, Blind, SW,
Orifice, Lapjoint
Size Range: ½" thru 12"
Pressures: 150#, 300#, 900#

Buttweld Fittings

Type: Seamless and Welded
Size Range: ½" thru 12"
Schedule: 10S, 40S, 80S, 160, XXH

Pressure Fittings

Type: Screwed & SW
Size Range: ½" thru 4"
Pressures: 150#, 3000#, 6000#, 9000#



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Paul Meijering Stainless Steel

Why working together with Paul Meijering?

Since 1989, Paul Meijering Stainless Steel has been supplying pipes, flanges, sheets and fittings in stainless steel and special alloys from Zaltbommel, the Netherlands.

Thanks to a wide and high-quality range, large stock, special processing and short delivery times, we have become a quality market leader.

Every day, we export worldwide to customers in the equipment manufacturing industry, offshore industry and energy and food industries.

Our wide and high-quality range consists of more than 11,000 pipes, sheets and components in eight different grades. Our stock is constantly maintained. This allows us to deliver immediately. Coupled with the short lines in our organisation, we can serve our business partners quickly and efficiently.



Material certificates are even sent by email prior to delivery.

Listening carefully to our customers allows us to work with them during the entire process: from the procurement of materials up to and including their application.

International experience

We export pipes and components to more than 55 countries on a daily basis.

Speed and safety

95% of all orders leave our premises the same day. Carefully packaged, labelled and shipped by carriers that stand for quality.



Customisation

In addition to holding a standard inventory, we are equipped for customisation (laser and plasma cutting of pipes/sheet), special alloys and various grades and sizes.

'Your problem is our challenge. Our team will be happy to work with you to find a suitable solution.'



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Preminox Srl

PREMINOX Group companies are specialists in the supply of stainless steel tubes, pipes and tubular products.

Since the 1990s, we have established ourselves as a first-choice supply partner of major manufacturing companies throughout the world.

Our products are manufactured to the highest quality standards and are very competitively priced. Although a high proportion of our customers are blue-chip market leaders seeking global procurement and supply solutions, we are also more than happy to cater for smaller quantity requirements and we maintain stocks in our distribution centres in order to effect this.

Historically, we have focused upon 'special' products for critical industries, such as automotive, medical and defence, and in doing so we have established a strong network of some of the world's best suppliers. The supply of bespoke products is still an important part of our business, but, with a growing range of 'standard' products in our stocks, such as seamless tubes, seamless pipes and welded tubes, we can now offer the more typical products quickly and effectively.

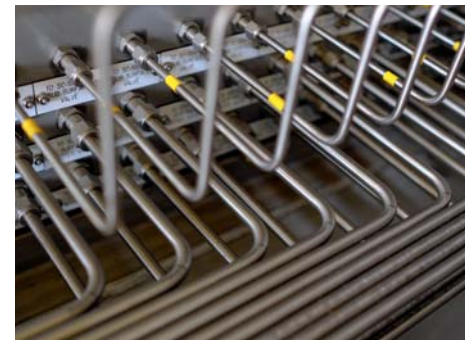
PREMINOX has launched its new distribution facility in Liege, Belgium. The new company stocks stainless steel tubes for the local market.

PREMINOX is now operating out of UK, Slovakia, Poland and Belgium, with plans to open additional facilities in Nuremberg and Istanbul in 2021.



The core stock products are seamless bright annealed tubes (SA/A213, EN10216-5) and bright annealed welded tubes (SA/A249, EN10217-7). The local stock products can be supported with cut-to-length heat exchanger tubing (welded and seamless), which is stocked in extra-long lengths in our UK facility, but which can be delivered throughout Europe in 10 to 14 days. Stock material grades are 304/304L/1.4301/1.4307, 316/316L, 1,4404, 1.4571 and 321H/1.4541.

Besides offering tubes from stock, PREMINOX has a long tradition of providing 'special' tube parts, according to customer drawings; in fact, PREMINOX's biggest business segment is in the supply of such parts to the automotive industry. We can offer: cut-to-length, bending, end-forming, hydro-forming, as well as simple assemblies.



'Specials' are available as welded tube, seamless tube and welded+cold drawn tube.

We welcome enquiries from companies throughout Europe and our teams are ready to provide all customers with a quick response.



PREMINOX

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PRODUCTOS TUBULARES S.A.U

Productos Tubulares S.A.U is an integral Manufacturer of Hot Finished Seamless Steel Pipes for all kind of Stainless, Alloy and Carbon Steel grades in a size range covering from 190 mm up to 660 mm (7 1/2" – 26") outside diameter, and walls up to 125 mm (5"), depending on the required O.D.

We are focused on quality, best service and the more added value products.

Our Stainless Steel Pipes are well recognized worldwide as simply the best quality existing in the market for our size range.

Productos Tubulares S.A.U, a subsidiary of the **Tubos Reunidos Group**, has its strength in the great **Flexibility** being able to manufacture any size within our size range including the non-standard ones, even for small quantities and always meeting the delivery time required by our customers.

Reliability is therefore another keyword that well defines our image in the market.

In order to fully serve this specialty market, Productos Tubulares has invested considerably and now has very modern and efficient facilities which are second to none.

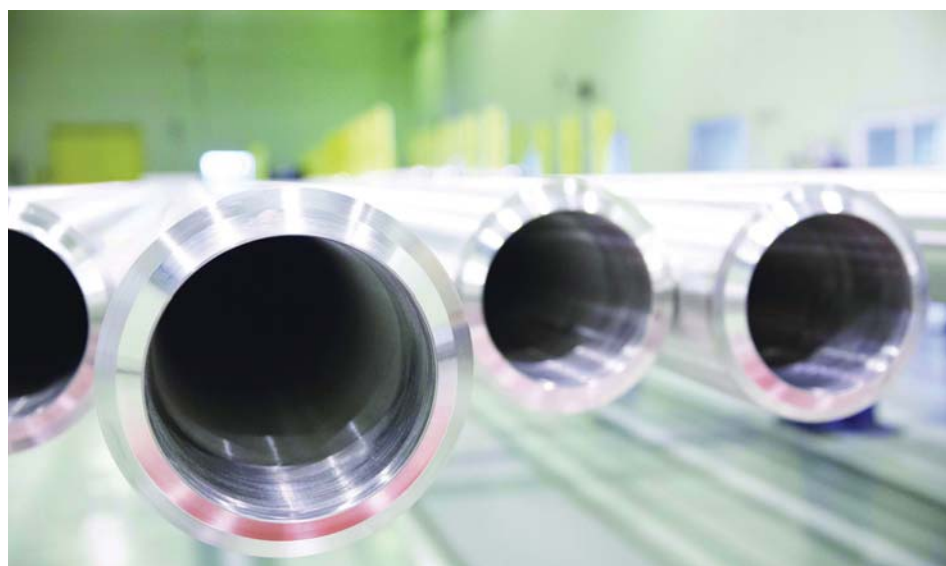
All our employees are thoroughly trained to recognize the need for quality at all times and also to appreciate and provide the service that customers expect.

Our long-term group strategy consists of:

- **Worldwide global positioning**, supplying the leading and emerging tubing consumer markets through our extensive sales network consisting of more than 100 sales offices and representative agents in the world.
- **Constant innovation and development**, in response to the increasingly specialized needs of our customers.
- **Customer service** in terms of delivery times, logistics and specific products requirements.
- **Competitiveness and operational efficiency**: production units with pioneer technology and a highly qualified and committed workforce are the foundations of our organization.



We are currently marketing new grades as the **incolloys N08825 / N08800**, between others, always under the most demanding quality criteria that is proved by even the **ASME NCA 3800** certification for Nuclear Applications (Certificate Nr QSC-613).



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ES-48510 Valle de Trápaga (Vizcaya)
Spain
Phone: (+34) 944955011
Email: comercial.tubos@
productostubulares.com
Website: www.productostubulares.com

Proform

Proform – And Exactingness Created Form

Our Identity: Passion

Created in the middle of the 1960's with the passion of a handful of people, who expanded the company on the back of hard work and a professional attitude, Proform is driven by its determination to set itself ever-higher standards. It achieves its aims while taking into account the social, environmental and economic issues linked to sustainable development.

Our Expertise: Forming

A European leader in the field of tube bending and cold forming, Proform develops and integrates perfectly controlled technologies that give it complete autonomy at every stage of the production process and enable it to offer both standard and tailor-made products, from a single piece to large-scale production runs.



Our Commitment: Quality

From the receipt of raw materials to shipment of finished products, the numerous checks and controls performed ensure the traceability and high quality of our production.

Our Assets: People

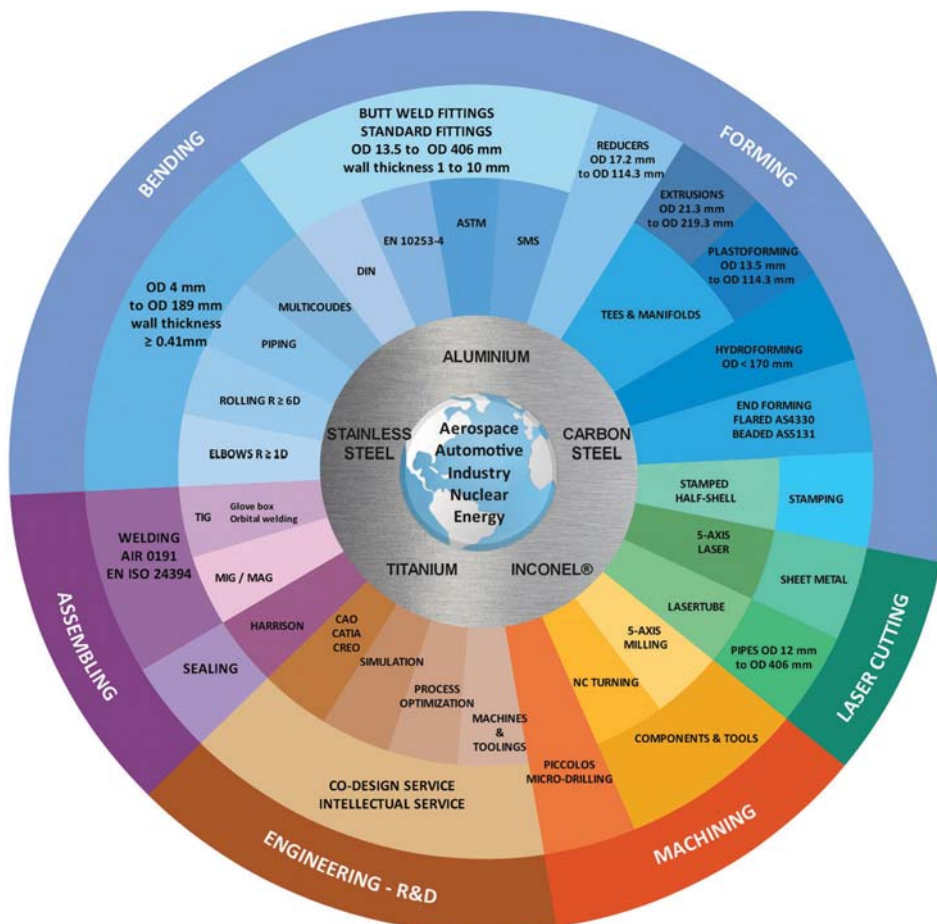
A strong corporate culture based on shared values, the loyalty of

employees, built on a relationship of trust and a feeling of belonging to the company, passion in day-to-day work, world-renowned expertise, and your satisfaction at the heart of our HR management policy.

Our Role: Service

Proform is attentive to its clients' needs, which is why nearly 6000 product items are stocked at its dedicated and fully IT-integrated logistics centre. Proform supplies a constantly expanding range of stainless steel fittings produced with the most stringent quality requirements and the shortest lead times.

Know-How & Means



Company details:

Name: Proform
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 F-69630 Chaponost
 France
 Phone: +33 472 67 13 00
 Fax: +33 472 67 13 19
 Email: sales@proform.fr
 Website: www.proform.fr

Quest 4 Alloys Limited

Established in 1991, Quest 4 Alloys Ltd is an independent stockholder and processor of nickel alloys and stainless steels with an excellent reputation for a fast, efficient and reliable supply of specialist high temperature and corrosion resistant materials worldwide to both end users and other stockholders. Operating from our purpose-built service centre in the UK and offices in France, we can despatch orders by road, sea or air to meet our customers' exact delivery requirements.

We provide for a wide range of industries, including:

Aerospace - Petro-Chemical - Oil and Gas - Power-Generation Nuclear - Architectural - Automotive - Construction - Water - Food - Springs and Pressings

We stock and supply a wide range of nickel alloys and stainless steel, duplex, super duplex and titanium to customers across the globe. These include:

NICKEL ALLOYS

200 / 201 - C22 - C276 - 400 - K500-600 - 601 - 625 - 718 X - X750 - 800 - 825 - Waspaloy

STAINLESS STEEL

301 - 302 - 304 - 316 - 309 - 310S - 317 - 321 - 347 - 409 - 410 - 420 - 441- 15/5 PH A286 - 17/4 PH -17/7 PH - SICROMAL 12 - DUPLEX 2205/UNS S31803 - SUPER DUPLEX UNS S32750 / UNS S32760 - 253 MA - 254SMO - AL 6XN - 904L



TITANIUM

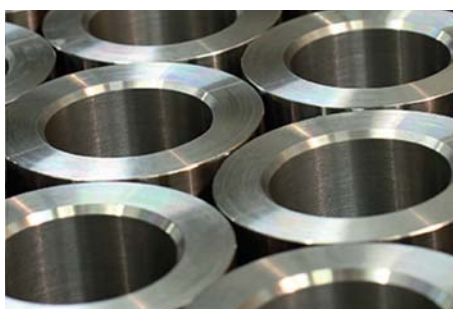
GRADE - 1 - 2 - 5 - 7

Through our own stock and our close working relationships with our business partners, we are able to offer an unrivalled range of product forms such as: **SHEET / 0.3 MM TO 3 MM THICKNESS PLATE / 4 MM TO 150 MM THICKNESS COIL / 0.05 MM TO 10 MM THICKNESS BAR / 3 MM TO 1000 MM DIA FORGINGS / TUBE & PIPE / FLANGES & FITTINGS**

These can also be processed as:

**PROCESSING CAPABILITIES
SHEARING
SLITTING
WATER JET / LASER / PLASMA
FULL MACHINING OF BARS
CENTRELESS GRINDING
STRAIGHTENING OF BARS**

This enables us to supply anything from complete packages to one-off orders, meeting your exacting requirements, all backed up by full traceability and our quality procedures that include: **ISO 9001
AS9120 AEROSPACE
SC21**





QUEST 4 ALLOYS

Company details:

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Email: sales@quest4alloys.com

Website: www.quest4alloys.com



QUEST 4 ALLOYS FRANCE

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France

Mobile: +33(0) 6 6082 2781

Email: jms.serres@quest4alloys.com

Website: www.quest4alloys.com

Raccortubi Group

Raccortubi Group manufactures, stocks and supplies piping materials destined for **critical applications** such as chemical and petrochemical plants, power plants, shipyards, fertilizer plants and offshore platforms.

As a manufacturer, thanks to the extensive expertise of the two integrated plants Tecniinox and Petrol Raccord, Raccortubi can offer a complete range of **butt weld fittings from ½" to 56"**, almost without any wall thickness limitations.

As a stockholder, it provides pipes, tubes, fittings and flanges in **austenitic stainless steel, duplex, super duplex, 6mo, nickel alloys, and titanium** from stocks in **Italy, Brazil, Dubai, Singapore and Scotland**.

Synergy

What makes Raccortubi Group stand out is its efficient **combination of stockholding and manufacturing activities**, which offers customers added value:

- **integrated production** of butt weld fittings up to 56"
- more than **6,000 items** available from stock
- **extensive testing** carried out in-house and/or by ISO 17025 approved laboratories
- **global** distribution network
- **flexible solutions** for complex projects, complete packages & single items

Huge stock quantities of pipes are delivered both **to customers** as well as, on a just-in-time basis, **to the Group's internal production facilities as raw material**. This, together with the complete control over production, guarantees high quality, cost-effective, flexible solutions to short timescales.

Group mills

Adaptive planning and flexibility mean that any extraordinary order can be inserted into production on demand, whilst simultaneously providing **consistent replenishment to Raccortubi stocks**.



Tecniinox

- cold-formed butt weld fittings from ½" to 16"

Tecniinox do Brasil

- same manufacturing range of Tecniinox, but located in São Paulo (Brazil)

Petrol Raccord

- hot-formed butt weld fittings up to 56"
- **special/customised products** to customers' drawings

Petrol Raccord regularly manufactures welded elbows in two halves, sch. 10s and above, from sheets and plates in stainless steel up to nickel alloys and titanium.

The extensive availability of raw material in sheets and plates in duplex, super duplex and 6mo up to 50mm, and in titanium up to 15mm, allows Petrol Raccord to fulfil **deliveries in 4-6 weeks thanks to a dedicated production line called Fast Track**.

Besides Oil & Gas industry, Petrol Raccord also supplies **carbon and alloy steel butt weld fittings for power plants (P5, P9, P11, P22, P91 and P92)**, together with holding ASME-III approval for **supplying Class 1 material destined for nuclear applications**.

Group stocks

Raccortubi S.p.A. (Italy)
Raccortubi do Brasil (São Paulo, Brazil)
Raccortubi Middle East (Dubai)
Raccortubi Norsk (Aberdeen - Scotland)
Raccortubi Singapore (Singapore)



All Raccortubi subsidiaries are supported by the Group headquarters and integrated production mills in Italy in the composition of package orders. With additional stock material and on-demand manufacturing at their disposal, they can ensure that requests are fulfilled quickly and cost-effectively.

Quality certifications

- **ISO 9001:2015, ISO 14001:2015, PED, ISO 45001:2018, CUTR EAC, NORSOK M650, AD 2000 Merkblatt WO, Din En ISO 3834-2, ASME III NCA-3800** for nuclear applications, **BUREAU VERITAS NR320 & NR480**.
- Main end-user and EPC approvals such as BP, EIL, PETROBRAS, SAUDI ARAMCO, TOTAL, KOC and many more.

An online software allows that certificates of any ordered product can be readily available for customers who are in the conditions of reviewing them even before the materials are shipped.

Additional services

- colour coding, cutting, extra testing, special packaging & marking



Company details:

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 Website: www.raccortubi.com

Ratnamani Metals & Tubes Ltd

Trusted name for Tubes & Pipes

Ratnamani Metals & Tubes Limited (RMTL) is one of India's largest manufacturers of Stainless Steel Seamless and Welded Tubes/Pipes, Titanium Welded Tubes, Nickel Alloy Seamless Tubes and Stainless Steel Pipes with external coating. As a group, RMTL is also into manufacturing of Carbon Steel ERW, L-SAW, H-SAW Pipes, 3 Layer PE/PP Coated pipes and Induction Pipe Bends / Spools.

Manufacturing Facilities:

RMTL is having state of the art manufacturing facilities at Indrad (near Ahmedabad) and at Kutch in the state of Gujarat, India.

Seamless Tubes & Pipes:

Ratnamani Make Hot Extruded Mother Pipes are used as a source of raw material for manufacturing Nickel Alloy / Stainless Steel Seamless Tubes and Pipes. The Instrumentation Tubes are supplied in size 3 mm OD x 0.5 mm THK and above. The tubes can be supplied in longer length up to 24 meters straight length, depending upon the size. The Certification of AS 9100D, NORSOK M-650, and DNV Shop Approval etc. enables Ratnamani to cater requirement of Aerospace, Oil & Gas and Ship building industries.

Ratnamani has set up a State of Art new manufacturing facility at Indrad having a HOT EXTRUSION PRESS for manufacturing Nickel Alloy, Stainless Steel, Hastelloy Seamless Pipes upto 10 NPS. The New Facility is also having High Speed Cold Pilger Mills, Draw Benches, Solution Annealing Furnace, NDT facilities to manufacture products of international standards. The Cold Finishing is already operational whereas the balance facility will be operational by March 31, 2021.

Welded Tubes & Pipes:

The Welded Heat Exchanger Tubes are manufactured using latest generation Tube Mills having ON-Line Annealing and Testing facilities. The Welded Pipes upto 12 NPS are manufactured on Tube Mill, whereas the pipe size in the range of 8 NPS to 72 NPS are manufactured with the use of Filler Wire in Single / Double Random Length, depending upon Customer's requirement. The Stainless Steel Pipes are also supplied with external coating as per project specification.

The manufacturing facilities at Indrad and Kutch are laid down to manufacture extra long length tubes with a developed length of 40 meters for supply in U bend condition.

Quality Assurance:

Ratnamani has in-house Inspection and Testing facilities such as Mechanical Testing, Chemical Analysis, Corrosion Testing, NDT Testing (Ultrasonic Testing, Eddy Current Testing, Air Under Water Testing, Hydro Testing, Dye Penetrant Testing, Real Time Radioscopy - for Welded Pipes etc.), and PMI Testing. The Quality Assurance Laboratories at Kutch and Indrad works are accredited to ISO 17025.

Quality Management System and Certification:

The Quality Management System is accredited to ISO 9001:2015. The manufacturing facilities are also having Certifications and Approvals such as ISO 14001:2015, OHSAS 18001:2007, AD 2000 Merkblatt W0, Pressure Equipment Directive (PED), ISO 3834, Well-known Tube / Pipe Maker by Indian Boiler Regulatory Authority etc.

Journey towards High End Applications:

Ratnamani has supplied Titanium Welded Tubes with a wall thickness of 0.5mm having a length of 16 meters for a Nuclear Power plant in Western Asia. Ratnamani has also supplied Stainless Steel Seamless Tubes in Grade UNS S31050 (TP 310MoLN) for Hindustan Urvarak & Rasayan Limited (HURL), a Greenfield Fertilizer plant in India meeting Process Licensors' requirements. The tubes were manufactured using Ratnamani Make Hot Extruded Mother Pipes as a source of raw material. The tubes were tested in Europe at an Approved Laboratory by Process Licensors.

Sectors served:

RMTL today is a preferred supplier of end Customers, EPC Contractors, Fabricators and Engineering Consultants. The products manufactured are being supplied to wide spectrum of Customers as below:
Refineries & Petrochemicals,
Chemicals & Fertilizers
Thermal, Nuclear & Solar Power Plants,
LNG
Pharmaceuticals
Desalination & Water Treatment



Atomic Energy
Defence
Aerospace
Paper & Pulp
Sugar, Dairy & Food Industries
Automobile Industries, CNG
Ship building

Product Range:

RMTL manufactures wide range of products as below:
Stainless Steel Welded & Seamless Heat Exchanger Tubes - 1/2" OD to 4" OD.
Stainless Steel Welded pipes - 1/4 NPS to 72 NPS
Seamless pipes pipes - upto 2 NPS
Stainless Steel Seamless Instrumentation Tubes - 3mm OD to 1" OD.
Titanium Welded Tubes - 16 mm OD to 11/4" OD
RMTL also supplies products with closer dimensional tolerance, special chemistry upon request. Tubes and Pipes can be supplied as per ASTM, EN, JIS, GOST and Customer specific requirements.

The RMTL Family:

RMTL has a dedicated team of more than 2100 employees spread across multiple locations. The experienced and qualified technical personnel across the organization are driven with a common culture of trust & care. For further information, please contact us.



Company details:

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Fax: +91-79-29601210
Email: info@ratnamani.com
Website: http://www.ratnamani.com

SABE FORNI SRL HEAT TREATMENT FURNACES

SABE FORNI was born with a philosophy of flexibility, velocity and quality intervention and spare parts. The production of new systems is developed and managed on specific drawings, in order to totally satisfy the customer's requests.

NEW FURNACES: Over the decades the name SABE FORNI became a term also for innovative heat treatment and up-to-date and efficient furnace production. Our know-how derives from more than 40 years experience, while we learned the secrets of production for continuous, static and step furnaces, with high quality and reliability. We are a qualified team, devoted to customer satisfaction, planning on-demand solutions.

Particular importance is given to the initial design, aimed at identifying the efficiency of the plant also from the point of view of energy saving and saving economic and productive resources, identifying materials and solutions to reduce production downtime required for maintenance.

SABE FORNI is a partner completely involved into customer's project. We allow a direct contact with our technical office and maintain an efficient after sale support.

Competence and know-how in SABE FORNI satisfies both traditional metallurgic market and new different branches. We respond to necessities of screws and blades manufacturers, producers of marble machineries, agriculture tools, food instruments, robotics, automotive, tube and pipe., sport equipment and so on..



SPARE PARTS: SABE Forni promptly answer to spare parts requests, for SABE Forni furnaces or from different constructions. For plants of different type or size, certain elements of common use are available, such as thermal insulation materials, electrical equipment, thermocouples, resistors, burners etc...

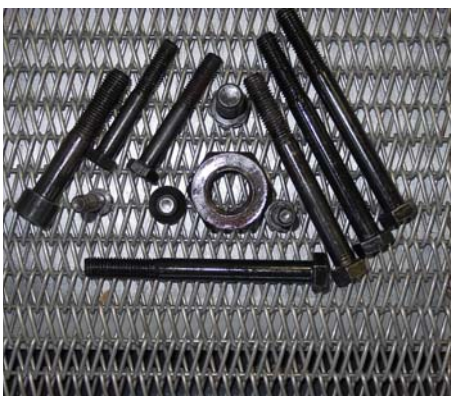
In some cases, SABE Forni provides also specific particulars, such as metallic muffles, radiant tubes, wear components, electrical heating elements, rollers, belts, reaction retorts for protective gas production etc...

TECHNOLOGY: SABE Forni supports customers also in defining the finest technologies in production management. Touch screen industrial units, PLC and last generation software allow the control of many functions

in plants, such as: thermoregulators management, recipes storage and recipes start, temperatures control in stop phases, alarms –with historical visualization-, atmosphere introduction, speed planning of conveyor belt, and so on...

SERVICES: High attention from SABE Forni to answer to companies in renewing or restoring existing systems for heat treatments furnaces, in order to improve their efficiency or adequate them to new exigencies.

A direct and quick technical support is a focus point in SABE Forni activity.



**SABE
FORNI**

Company details:

Name: SABE FORNI SRL
HEAT TREATMENT FURNACES
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Fax: +39 0438 994113
Skype: sabeforni-mktg
Email: info@sabeforni.it
Website: www.sabeforni.it

Sandvik Materials Technology

Sandvik Materials Technology is a world-leading supplier and manufacturer of advanced seamless stainless steels and special alloys for demanding environments. Sandvik products and services make industrial processes more efficient, profitable and safer.

Since Sandvik was established more than 150 years ago, its global operations have utilized product innovation, technology leadership and sustainable operations to set the industry standard in the 160 countries in which it operates.

With a combination of world-leading research in metallurgy and extensive application knowledge, Sandvik continues to push the boundaries of what's possible for productivity, energy efficiency and safe operation. In creative partnerships with customers, Sandvik jointly develops products and materials that meet the challenges of the future.

Products of Sandvik offer a wide range of highly engineered products and services for the automotive, aerospace, oil and gas, renewable energy, medical device and industrial industries. Sandvik offers high performance tube and pipe, bar and hollow bar, billets and blooms, strip steel, wire and more to combat common material challenges.



Sandvik's latest innovation, Sanicro® 35, is a brand new super-austenitic stainless steel alloy that bridges many of the material property gaps between stainless steels and nickel alloys.

Sandvik strives to share its materials expertise with its technical center, which provides free access to material datasheets, corrosion tables, webinars, tools and calculators, a podcast and more.

"We are always searching for smart solutions to the greatest material challenges, constantly exploring new ground to find more sustainable ways

to use and produce resources," says Michael Andersson, President of Tube Division.

Sandvik's sustainability initiatives strive to find solutions to eliminate harm to people and the environment. Many products of Sandvik contribute to reduced environmental impact—now and in the future.

From zero emission hydrogen powered cars on the road to more energy efficient umbilical tubing at the bottom of the ocean, Sandvik's high performance materials enable production of energy efficiency around the world.



SANDVIK

Company details:

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Phone: +46 26 26 00 00

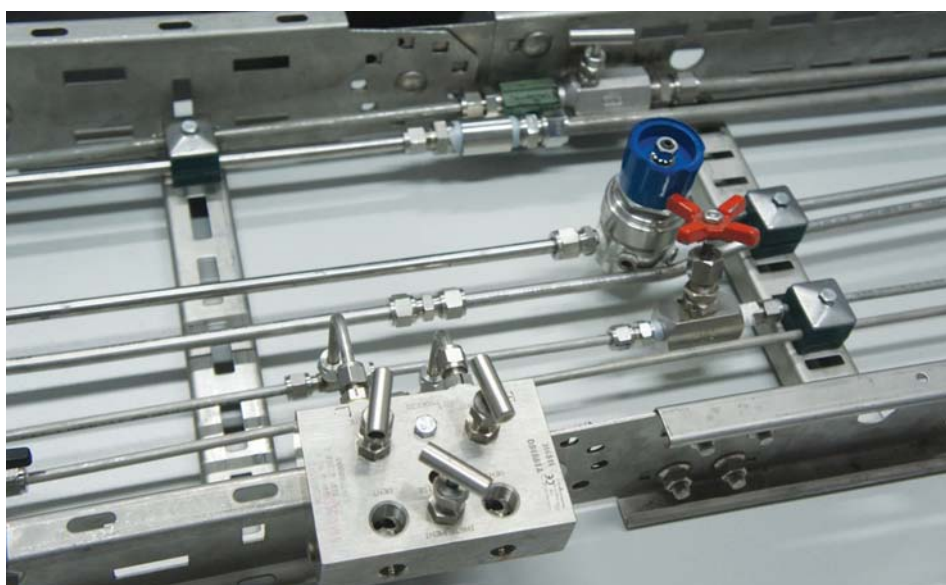
Email: info@sandvik.com

Website: <http://www.materials.sandvik/en/>

Sankyo & Co., Ltd

Sankyo & Co., Ltd. is a Japanese steel exporter specialized in stainless steel and high grade alloy seamless tubular products. If you are looking for a supplier, we are pleased to serve you with our 45 years of worldwide experience in this market. Our core business is the trading division which sources from blast furnace mills and special steel mills from home and abroad. Our achievements are symbolized by our huge market share in every industrial sector.

The trading division provides internationally competitive, high-quality products from steel pipes for large plants to IT precision parts. We supply pioneering products of high quality from reputed manufacturers using a lean distribution system based on refined expertise and experience. To supply products that satisfy various needs of our customers, we ensure that we correctly and fully understand their needs and respond quickly. We leverage Sankyo's global human and sales networks to provide know-how in specialized fields and collect highly reliable information. With our quick response and reliable supply system, we have established an impressive track record around the world. We will continue to develop our commercial distribution and aim to become a global company that is trusted worldwide. In 2011, Sankyo Singapore Pte. Ltd. was established as a logistics hub and a sales agent for Southeast Asia. As of today, we have some stock of seamless stainless steel tubes up to 16.0mm in Takeo City, Saga Prefecture,



Japan. We can perform inspection for the tubes under our quality assurance team.

Today, we export our products to various countries in Asia, Europe, the Americas, Oceania, the Middle East and Africa with our customer's satisfaction.

Main products

Seamless stainless steel tubes in OD 6mm - 90mm & pipes in NPS1/2" - 16"
Grades: Austenitic, Ferritic, Martensitic, Duplex & Super Duplex, 6Mo, etc.
Seamless copper alloy & nickel alloy pipes/tubes, Welded titanium tubes
Nickel alloy plates



S&C SANKYO & CO.,LTD.

Company details:

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Japan
Phone: 0081 3 5929 1981
Fax: 0081 3 5929 1944
Email: sales@sankomj.co.jp
Website: www.sankomj.co.jp

SIA-MPL srl

ABOUT US

Welded mesh and SIA-MPL form an indivisible binomial since 1961: a successful product brought about the creativity and innovation's spirit which even today characterize Made in Italy products.

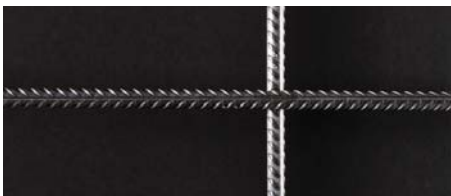
The origin of our company goes back to the year 1961, today the company provides from its factory in Brescello (Reggio Emilia / Italy) stainless steel welded wire mesh into panels and rolls (over of 30% of which is exported).

We offer since more than 50 years the possibility to develop customized solutions with our expertise and partnership with the top brands of Italian and foreign industry.

The versatility of stainless steel welded wire mesh, which is sturdy, lightweight and ductile, makes it suitable for use in countless fields, including architecture. SIA-MPL stands for high quality: starting from the choose of raw materials: stainless steel AISI 304L (EN1.4307) and AISI 316L (EN 1.4404), provided by selected suppliers, which guarantees strict quality parameters.

Thanks to the experience gained over the years and the constant acquisition of modern technologies, the products of SIA-MPL now meet the largest needs, turning ideas into reality in the most different situations, always in strict compliance with current standards. Today, due to the knowledge gained over the years, SIA-MPL produces welded wire mesh for many different range of industries:

- chemical-pharmaceutical industry
- food processing
- Heating
- Architecture
- Building and constructions
- Insulation
- Automotive
- logistics and storage
- transportation



Welded mesh panels in REINFORCED STAINLESS STEEL (SSR).

SERVICES

SIA-MPL pays attention to the specific requests of its clients, providing guidance from the initial project design to the completion of the finished or semi-finished products, which may be personalised by developing together the best solutions for each requirement. Prototypes are built and tested before starting production, with view to constantly improve our standards and your own.

- personalised combinations of mesh and wires
- possibility to produce made-to-measure panels
- trimming
- bending
- notching
- chemical pickling and passivation and polishing

CERTIFICATIONS

Since 2008, SIA-MPL after a series of analyses of its company processes has obtained ISO 9001:2015 and ISO 45001:2018 certifications.

Customer satisfaction our target is to offer safe, reliable products.

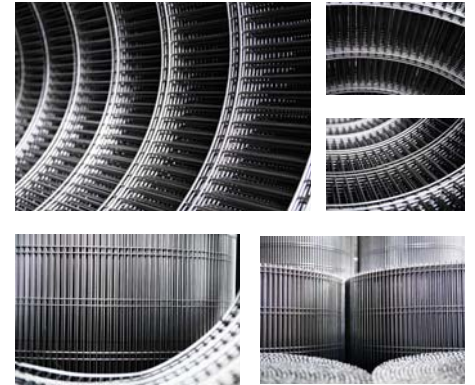
The feedback from our customers confirms our top standard: promptness of delivery, communication with personnel in the sales division, transparency with the technical information we provide.

Focus to certified suppliers of raw materials. Whenever necessary, SIA-MPL checks requirements through direct audits. SIA-MPL adapted its system to the new standard ISO 9001:2015. Constant training courses of our staff will be of strategic importance for SIA-MPL's improving.

FOCUS

In recent years there has been an increasing interest in applying stainless steel reinforcement in concrete structures to combat the durability problems associated with chloride ingress.

However, the use of stainless steel reinforcement has so far been limited mainly due to high costs of raw material. In order to increase the durability and service life of concrete structures exposed to corrosive environments by focusing on two issues:



- Stainless steel reinforcement in concrete structures is strictly involved in planning, design and construction of concrete structures to be exposed to corrosive environments, - such as marine structures, coastal-near structures and structures exposed to chloride based de-icing salts.
- Owners and Clients who want to reduce or solve the corrosion problem for reinforced concrete structures, select stainless steel reinforcement in order to obtain a long service life with minimal maintenance.

APPLICATIONS:

- Bridges, tunnels and underpasses
- Parking decks and on external staircases and
- Access balconies in large condominiums
- Marine structures
- Retaining walls, foundations
- Historic buildings, Green buildings

SIA-MPL: the difference between a supplier and a PARTNER



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STALATUBE OY

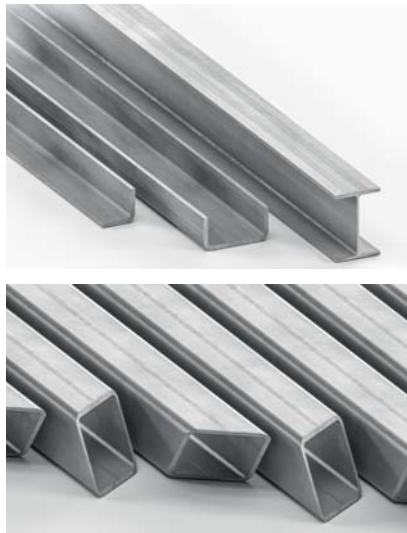
With a history of almost half a century and an eye on the future, Stalatable is a well-established producer of stainless structural products such as square and rectangular hollow sections, press brake tubes, and I-beams as well as other profiles. To meet all current industry requirements Stalatable has over the years constantly expanded their product range in terms of sizes and material grades. And when it comes to size, all products are available in both standard and customised dimensions. This year Stalatable has concentrated on creating more high strength options for their customers' most demanding projects.

"High strength structurals are our biggest strength," explains Sami Packalén, CEO at Stalatable. "We seek to understand our customers' needs and create tailor-made solutions, and high strength material grades have multiple benefits for the end-users. The significant material savings when using high strength structurals, such as Stala 350 or our newest material grade Stala 500A, result in weight- and cost-savings and make the structures more sustainable." The company's high strength products are indispensable to a variety of industries where different applications are exposed to corrosive or otherwise demanding environments. Among them are heavy machinery, transportation, building and construction, all kinds of process industries, energy and oil & gas.



When asked about the company's unique points, Mr. Packalén answers without hesitation: "Custom-made is our standard. Our technology and know-how are at the full disposal of our customers, an example being digital design tools and handbooks on our website. Stalafit PRO, for instance, is a fully functional Eurocode design software for direct member design or to be used with FEM results. Another tool allows customers to choose the right steel grade for a specific application, taking into consideration also the environmental conditions." Stalatable offers thorough technical guidance, carries out comprehensive testing and documentation according to project standards and assists in the selection of optimal materials. Tube laser cutting and cut-to-length service give customers the possibility

to customise the products according to their needs. In customer projects, Stalatable's professionals can take care of the entire process and deliver products onsite, ready to assemble. "We help guarantee that the best weight-to-cost relationship is achieved. If our customers have any queries about processing or welding, Stalatable is always ready to help. To ensure all this, we collaborate with numerous engineering and design companies," Packalén says. "We place great emphasis on customer service and reliability, which we also continue to improve through investments in production facilities, R&D and digitalization", comments Sami Packalén. Together with a wide range of high-quality and innovative products, this approach is sure to guarantee Stalatable a flourishing global future.



**STALA
TUBE**

Company details:

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Phone: +358 3 882 190
Email: stalatable@stalatable.com
Website: www.stalatable.com

Sverdrup Steel



Sverdrup Steel is a material solution provider and your perfect partner for high-grade stainless steels and nickel alloys for marine scrubbers, oil & gas, construction, chemical processing, pulp & paper, mining and other corrosive environment projects. We have sheets cut from coil, plates, pipes, fittings and round bars in the most common grades in stock.

A global supplier of high performance materials, providing one of the worlds largest stockholdings. With a clear focus on superior customer service, we promise to deliver the quality your business demands. As a result we are able to provide same day dispatch from stock in our facilities in Norway, Sweden, UK, Germany and Korea.

We offer services like cut-to-length, cutting of bars and profiles, plasma and water cutting and have many years of experience with delivering forged materials to the mechanical industry from renowned **NORSOK M650** approved suppliers. Sverdrup Steel can deliver forged materials in Duplex, Super Duplex, 6Mo and other grades.

Most common grades in stock

Duplex S31803 / 1.4462 / 2205
Super Duplex S32750 / 1.4410 / 2507
Super Duplex S32760 / 1.4501 / Zeron 100
Lean Duplex S32101 / 1.4162 / LDX 2101
Lean Duplex S32304 / 1.4362 / EDX 2304
Super Austenite S31254 / 1.4547 / 254SMO
Super Austenite N08904 / 1.4539 / 904L
Super Austenite N08031 / 1.4562 / Alloy 31
Nickel Alloy 625 / N06625 / 2.4865
Nickel Alloy 718 / N07718 / 2.4668
Martensitic Alloy 1.4542 / 17-4PH / AISI 630
Martensitic Alloy 1.4418 / S165M / 2387



**SVERDRUP
STEEL**

Company details:

Name: Sverdrup Steel
Headquarter: Stavanger, Norway
Warehouses: Stavanger, Norway
Kløfta, Norway
Eskilstuna, Sweden
Sheffield, UK
Burg, Germany
Busan, Korea
Website: www.sverdrupsteel.com

TECNICA TRE S.R.L.

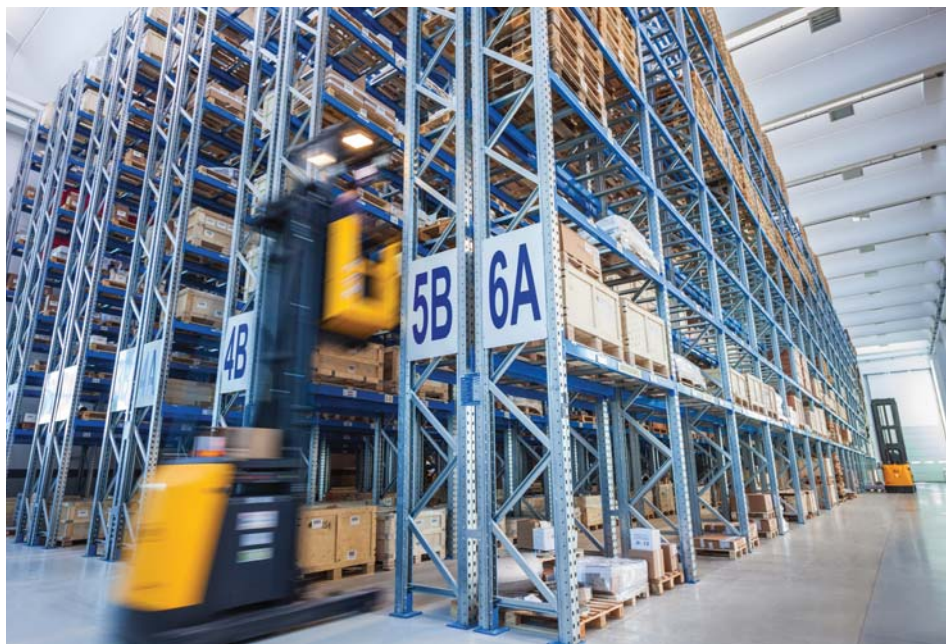
Tecnica Tre manufactures and sells stainless steel flanges, fittings and pipes in grades 1.4301/1.4307 and 1.4401/1.4404. With over 24 years' experience Tecnica Tre can provide ASME and EN flanges, seamless ASME pipes and fittings, welded EN fittings, threaded fittings, valves, sanitary fittings and all the accessories.

The warehouse located primarily in Cassola, province of Vicenza, stocks all articles of this range in 1.4301/1.4307 and 1.4401/1.4404. Tecnica Tre, upon request, also provides carbon steel, duplex, super duplex and hastelloy products as well as much more.

Tecnica Tre meets all customer needs with the ability to plan and produce any unique design, making the company one of the leaders in its industry.

In a rapidly evolving market it is crucial to know and understand the needs of all customers. Tecnica Tre's constant commitment and significant investments in recent years have led to an improvement in all quality control processes of its products, which the company believes is an essential point for achieving excellence.

The technical area represents the first step. The drawings, datasheets and knowledge of the regulations associated with its products is of paramount importance in guaranteeing its clients the necessary technical support. Tecnica Tre has the leading CAD/CAM software for the design and implementation of all products with the additional ability to perform any special customization requested. All products supplied by Tecnica Tre are accompanied by inspection documents in agreement to EN 10204.



The traceability of batches and heat numbers is an integral part of the company's WMS system. It allows Tecnica Tre to optimize the movements of each individual article and reconstruct its "history" at every stage of the process. Here attention to detail makes all the difference. Tecnica Tre takes care with the utmost precision in packaging and shipping of all its products. A double check system of outgoing products ensures consistency between the initial order and physical shipped product, while the company's above adequate packaging makes shipping to anywhere in the world possible. The label and packing list for each package facilitates all checking and counting processes executed by warehouse operators.



The company's greatest strengths are the technical sales office and warehouse, whose effectiveness and efficiency have enabled Tecnica Tre to achieve the TUV certification in accordance with the UNI EN ISO 9001:2015.



TECNICATRE
Stainless Steel Experience

Company details:

Name: TECNICA TRE S.R.L.
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36022
Cassola (VI)
Italy
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Email: exportdept@tecnicatre.it
Website: <http://www.tecnicatre.it/en/>

TECNYMAT ACEROS S.L.

Tecnymat Aceros was founded in 1978 and is a distributor and trader of special stainless steels, heat resistant, corrosion resistant, nickel alloys and castings.

Our market is petrochemical, refinery, chemical, cement, and heat treatment companies. All companies where high temperature and corrosion resistant materials are needed.

We are qualified and experienced people and can give our customers maximum attention. Our products can satisfy all the requirements of our customer, including quality and service.

Our promise is to offer the best quality in the shortest delivery time possible with the optimum profit to the customer.

Superduplex, 904 L, Nickel Alloys (600, 601, 800H/HT, C 276, C 22, 200, 201, 400...) casting tubes and static castings as per drawings required by customers.

Heat Resistance		
Grade/AISI	WN	Din
410S	1.4000	X6 Cr 13
304H	1.4948	X6CrNi18-10
316Ti	1.4571	X6CrNiMoTi17-12-2
321	1.4541	X6CrNiTi18-10
321H	1.4878	X10CrNiTi18-10
347H	1.4550	X6CrNiNb18-10
253MA	1.4835	X9CrNi5iNCe 21 11 2
446	1.4762	X10CrAl 25
310S	1.4845	X8CrNi25-21
314	1.4841	X15CrNiSi 25-20



Nickel Alloys		
Grade	WN	Din
Alloy 200	2.4066	Ni 99,2
Alloy 201	2.4068	LC-Ni 99
Alloy 400	2.4360	Ni Cu 30 Fe
Al y 600	2.4816	Ni Cr 15 Fe
Alloy 601	2.4851	Ni Cr 23 Fe
Alloy 800HT	1.4959	X8NiCrAlTi 32 21
Alloy C-276	2.4819	Ni Mo 16 Cr 15W
Alloy C-22	2.4602	Ni Cr Mo
Alloy 625	2.4856	Ni Cr 22 Mo 9 Nb



Services and Products

- Seamless tubes, welded tubes, round bars, plates, hollow bars, centrifugal casting tubes
- All products are prepared immediately and dispatched on the same day of order.

Corrosion Resistance		
Grade	WN	Din
Duplex	1.4462	X2CrNiMoN 22 5 3
Superduplex	1.4410	X2CrNiMoN 22 7 4
Superduplex	1.4501	X2CrNiMoCuWN 25 7 4
904L	1.4539	X1NiCrMoCu 25 20 5





Tecnymat

Inoxidables- Refractarios-Alloys
Fundición

SINCE / DESDE 1978 40th ANNIVERSARY
AL SERVICIO DEL CLIENTE 1978-2018

Company details:

Name: TECNYMAT ACEROS S.L.

Address: Pol. Ind. Ugaldeguren 3
Parc. 17-2
E-48170 Zamudio (Vizcaya)
Spain

Phone: 0034 94 471 00 35

Fax: 0034 94 471 02 27

Email: jmarranz@tecnymat.com

Website: www.tecnymat.com

Timesavers International B.V

Timesavers sets the worldwide standard for abrasive finishing solutions through superior products, continuous innovation, global production and distribution, extensive application knowledge and unrivalled after-sales support, by dedicated people focusing on customer satisfaction.



Finishing stainless steel sheets or coils

Timesavers finishing machines are equipped with one or multiple heads and therefore a no. 3, no. 4, microlon, duplo and eventually a hairline finish can be achieved in our machines. For coil-to-coil, next to top working machines, also bottom working machines can be integrated into the production line.



Innovative solution for precision grinding

Every variant from the 81 series is produced especially based on customer requirements. Precision grinding is performed by a wide belt that grinds the thickness of a part to achieve a

fixed thickness with a precision of no less than 0,02 mm. The wide grinding belt(s) ensures a tight tolerance and is used for the precision grinding of titanium, molybdenum, stainless steel,

aluminium/nickel alloys, carbon steel and more.

Timesavers offers a solution for, almost, every problem! Over 50.000 Timesavers built wide belt grinding machines are in operation today, spread all over the world. As a pioneer in cutting-edge technology Timesavers leads the way in wide belt grinding and brushing machinery; standalone machines but also turn-key solutions are within our capabilities. Our unmatched service and support guarantee that we deliver as promised and more!



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Fax: +31 113 23 20 03
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Website: www.timesaversint.com

TRAFITEC SRL

TRAFITEC: FROM THE LUCEFIN GROUP,
LOVIN' STEEL

Our production

Trafitec is part of the Lucefin Group and manufactures bright stainless and special steel bars. We supply rounds, squares, hexagonals and special profiles.

We are a young company established in 2010 but thanks to a continuous progress and improvement process we are already well known for both our manufacturing skills and high-quality products.

Our stainless steels – austenitic, martensitic, ferritic and duplex – are our main products and represent the value and efficiency of our factory which is equipped with high level drawing, peeling and grinding machines.

In order to meet our customers' requirements we also provide special solutions, with specific tolerances.

Growth and distribution

Our passion travels the world, thanks also to the competence of the Group's distribution network and its swift supply.

Italy - Acciai Brianza - Desio (MB); Siderconero - Ancona; Co.Met. Acciai - Brescia; Cosmo Acciai - Spilamberto (MO); Nuova Bassani - Forlì; Sidermarca -



Ponzano Veneto (TV); Tramet - Orbassano (TO).

The Czech Republic - Trafil Czech - Kladno.

Germany - KSM Stahl - Empfingen, acquired in February 2011, which has been marketing in this sector since 1979.

Safety and uniqueness

Perfection, technology and state-of-the-art treatments are just some of the strengths of Trafitec's process which undergoes rigorous quality controls (non-destructive, eddy-current, ultrasonic and anti-mixing).

Steel for solenoid valves

One of our top products is indeed steel for solenoid valves: improved machinability material with excellent corrosion resistance to endure its specific environments of application. These products have particular

magnetic characteristics due to the specific heat treatment they undergo, which enhance the parameters necessary for valves functioning.

These materials comply with current regulations for food contact.

The strength of our passion

Trafitec is an active part of the Lucefin Group, an industrial holding company employing more than 600 people in Italy, the Czech Republic and Germany. Lucefin Group is renowned for its innovation and passion, and for its wide range of products: cold-drawn, peeled, ground, hot-rolled and forged in rounds, flats, squares, hexagonals and special profiles.

A group of efficient, available and punctual companies that boast valuable technical collaborations and are able to respond accurately to any need, from the steel industry to the most diverse applications by producing, distributing and, most of all, by Lovin' steel.



TRAFITEC
'Steel we make

Company details:

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Website: www.lucefin.com

TUBACEX

The Tubacex Group, premium stainless steel tubular solutions partner, has moved forward in the value chain to become a full-service supplier offering advanced stainless steel solutions to the final customer with a value proposal able to cover all the stages of the process: from design to maintenance services, including manufacturing, finishing and repair.



This position is backed by a solid strategic plan focused on Growth, Diversification and Excellence in service. Three pillars aimed at providing highly technological steel solutions developed in co-creation with customers to increase the overall efficiency of their projects and processes and reduce the total costs of ownership.

Innovation Strategy

As part of a strategy to deliver integrated tubular solutions, TUBACEX is launching new R&D initiatives as well as searching for strategic alliances to develop integrated value proposals, in particular, applications with a high technology component.

Innovation management at TUBACEX is carried out under Open



Innovation principles. This allows for the integration of skills, abilities and knowhow from a network of companies, including customers, suppliers, research centers and other partners. Most of the innovation projects currently under development at TUBACEX, including the design of components and even subsystems, emerged from alliances and consortiums.

TUBACEX is also taking part in the global acceleration of technological change, facilitated by digitalization. The company is adopting digital technologies and Industry 4.0 concepts, implementing a growing number of projects in production plants.

Integrated model

With an integrated manufacturing model, including its own steelworks, TUBACEX has total control of production, from steel development onwards. This model guarantees traceability, quality control and continuous improvement in all stages of the process.



In positioning itself as a full-service supplier TUBACEX has strengthened the product range, which is the widest on the market, and continues to expand its services portfolio, to make a qualitative leap in the business' strategy. Most recently the NTS Group, headquartered in the UAE, increases TUBACEX's high-tech offering, using exotic metals to create complex drilling components to customer specification. The NTS Group also offers mobile workshops, to repair and manufacture drilling components wherever customers need.

Social development

The Tubacex Group has established its own Foundation to channel their efforts to promote United Nations Sustainable Development Goals. This body has become the main vehicle to develop projects in the regions where the Group is present, focused on three main areas: training, social transformation, particularly in the field of functional diversity, and cooperation for development.



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Website: www.tubacex.com

Uniti Titanium

Verkhnyaya Salda Metallurgical Production Association (VSMPO) of Russia, and Allegheny Technologies Incorporated (ATI) from the United States, two leading global titanium producers, have joined to create a joint venture focused on titanium mill products for industrial and consumer markets. Uniti Titanium does not supply aerospace, military or medical products. These products continue to be produced and sold by our partners. The unmatched capabilities of Uniti Titanium stem from the synergistic combination of the raw material, melting, hot rolling, finishing, research and technology resources of the two companies.

Why Uniti?

The strength of Uniti Titanium comes from our ability to utilize the global raw material and manufacturing resources of ATI and VSMPO. As world leaders in the production of titanium and other specialty materials, these two companies share an enviable list of equipment, technology, and resources, allowing Uniti Titanium to supply industrial titanium products on a fully integrated production basis. As our customer, you will benefit from this union with competitive lead times, pricing and on-time delivery.

Products

Uniti Titanium supplies a comprehensive line of industrial



titanium products. These corrosion-resistant, light weight and high strength titanium products include plate, sheet coil, bar, billet, seamless tubing/pipe and welded tubing/pipe.

Capabilities

Uniti Titanium supplies material to international certificates and approvals to meet the requirements of the markets we serve, including applications for power generation, desalination, chemical and petroleum processing, and oil & gas. We strive to meet the quality standards outlined by our customer base, and to exceed their expectations for customer service including on-time delivery, and new product development.

Quality standards

Uniti Titanium recognizes that quality is a top priority of our customer base, and that maintaining quality standards is a vital component in the success and growth of our organization. The partner companies, VSMPO and ATI, have achieved high level certification

standards from organizations such as ISO 9001, Norsok M-650, NACE, ASME, ASTM and PED.

To meet the high quality standards of our customers and our internal quality system, we have access to a diverse team of quality managers in the U.S. and Russia that are involved in the raw material, melting, hot rolling, finishing, research and technology components of the two companies. This team strives to meet a defined set of quality goals outlined by the company and its customers.

Customer service

Uniti Titanium recognizes the importance of excellent customer service and the role it can play in maintaining and developing business opportunities. Our goal is to provide customer service at a level that is unsurpassed in the industry. As a customer of Uniti Titanium, you can expect competitive lead times, on-time delivery, and technical assistance from a variety of locations around the world.



Company details:

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Fax: +1 412-424-0423
Website: <http://www.uniti-titanium.com/>

VIRGILIO CENA & FIGLI S.p.A.

CENA FITTINGS - ALWAYS BETTER.

Two words that mean a lot, two words that have been guiding our company since 1957.

According to Virgilio Cena, the founder, whatever is to be done tomorrow, can and has to be done better than yesterday, no matter what goals have been achieved.

Excellence is the result of always striving to do better, to look for the most innovative technologies and the best minds to manage them, in a virtuous circle that allows no mediocrity.

This is the only way we know how to offer you, year after year, products that not only meet actual requirements but can also open up to scenarios of opportunities that may have been otherwise considered impossible.

The future has long roots, ours go back to 1957: on this basis, CENA will have fun becoming a preferred supplier in all BW fittings markets worldwide, renowned for providing technically superior, costs-effective products, in very broad spectrum of materials, covering from very simple carbon steel, to chrome-alloys and nickel-alloys, as well as clad fittings (Nickel-Alloy Internal Weld Overlay).



Production BW fittings range:

- Elbows Short Radius, Long Radius, R=2,5D, R=3D and R=5D ; size from 1/2" up to 30" - schedule from 10 to XXS
 - Reducers diameters from 1" up to 24" - schedule 20 to sch. XXS
- Tees from 1" up to 24" - schedule 20 to sch. XXS



Company details:

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Wenzhou TianYue Fluid Equipment Science and Technology Co., Ltd

Wenzhou Tianyue Fluid Equipment Science & Technology Co., Ltd (VTY) is a manufacturer of sanitary grades stainless steel valves and fittings and pipe fittings, especially aimed at products such as butterfly valves, check valves, sample valves, level gauges, safety valves, ball valves, sight glasses, unions, ferrule clamps, hoses and adapter products. They are create to product standards DIN 11851, 11852, 11853 and 11864, and SMS, RJT, IDF and DS standard.

Most of our products are used in the beer, wine and dairy industry. We have exported to the European market for more than eight years: our buyers are in Denmark, Germany, Italy, Spain, France, Poland and Russia.

We also export to South America, the USA and other countries worldwide.

Our valve and fitting products are all forged. Apart from standard production we can also offer non-standard products according to our clients' drawings.

Our advantage is a very strict quality control system which checks and controls the raw materials, and tolerance control. We focus on responsible service, stable delivery and a reasonable price level. By focusing on the constant improvement of quality, VTY has become more and more professional. Win-win is our business principle. We always believe



quality shows professionalism. We welcome a professional discussions and communication with all our clients.



Company details:

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Fax: +86-577-86996227
Email: vty@wzvt.com
Website: www.wzvt.com

WT – Westtube

Westtube is developing a new business unit established in Portugal which started operating in 2017 the production of stainless steel welded tubes through TIG system. The company aims to fill a technological and market gap, at national level, in order to supply a fraction of the international demand and simultaneously leverage the local economy.

Our goal is to relentlessly apply our technology and solid know-how to develop and enhance new applications of stainless steel tubes. We have qualified human resources and multilingual staff at the service of customers in different levels.

Westtube is looking for partners willing to follow this journey with us and to underpin our culture, so that together we can outperform and exceed our customer's expectations. To follow and support our expansion in the market we are looking for customers and suppliers that could work with us in close collaboration.



Westtube has a flexible production, we can produce customized measures and products according to the needs of our customers.

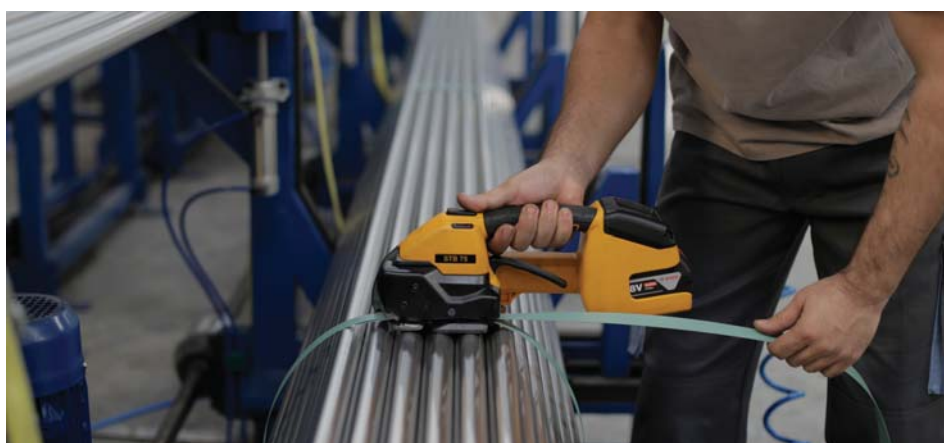
Westtube benefits from its location near ship terminal, Porto de Leixões, airport and highway.

Westtube is certified to ISO 9001:2015 and manufacturer of material in accordance

with PED 2014/68/EU, Annex I, Section 4.3 and AD 2000 – Merkblatt.

We continue to innovate and apply new technologies to improve our product. Since September 2020 we are able to deliver tubes with different surface finish through a new line installed.

If you need any further information please do not hesitate to contact us.



Company details:

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Website: www.westtube.pt

Xi'an Jinhao New Metal Materials Co., Ltd

We, Xi'an Jinhao, were founded in the year 2004. We've been offering titanium products for more than fifteen years.

Our main products are titanium bars, plate bar, wire, plate, sheet, forging block, forging disc, forging ring etc. in Ti-C.P, Ti6Al4V, Ti6Al4V-ELI, Ti6Al2Sn4Zr2Mo, Ti6Al2Sn4Zr6Mo, Ti6Al7Nb, acc. to ASTM, AMS, MIL, ISO, BS and DIN etc.

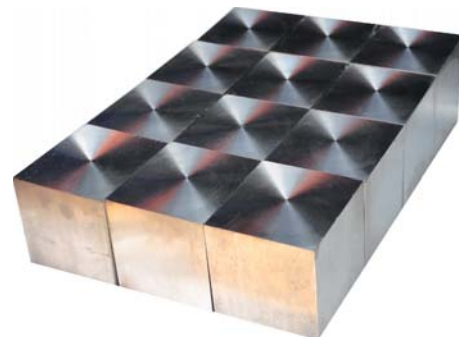
Also, we can supply machined parts by customers' drawings.

We are holding shares in a plant that can produce from titanium sponge and ingots to terminal products. This cuts down on our cost of the raw material. Our plant keeps ingot of Ti6Al4V, Ti6242 and Ti6246, and some semi-products (ingots forged twice or 3 times), which shortens the delivery time for us. We can produce large diameter bars and plates in higher UTS level, always in AMS 2631 class A1.

We have successfully achieved ISO9001 and AS9120 quality management systems certifications.

And we have developed to be a more reliable supplier, with a faster response time, shorter delivery time, more competitive price, and a reliable quality.

Our products are broadly applied in aerospace, offshore, as well as chemistry, medical industries etc.



The products have been mainly exported to the US and European countries, such as UK, Italy, Germany, France, Switzerland, the Netherlands, Spain etc.



Company details:

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Website: www.xajinhao.com

Xinjiang Xiangrun New Material Technology Co., Ltd

Xinjiang Xiangrun New Material Technology Co., Ltd (XRUN) is located in Hami, Xinjiang. The company is part of the Wujo Group, which invested 7.6 Billion CNY to create the whole titanium supply chain. The company owns titanium ore, coal mines, power stations, titanium sponge, titanium and titanium alloy ingots, forgings, bars, plates, sheets, coils and strips, clad strips, pots, pans, bottles, etc. The means we achieve a seamless connection from manufacturer to market.

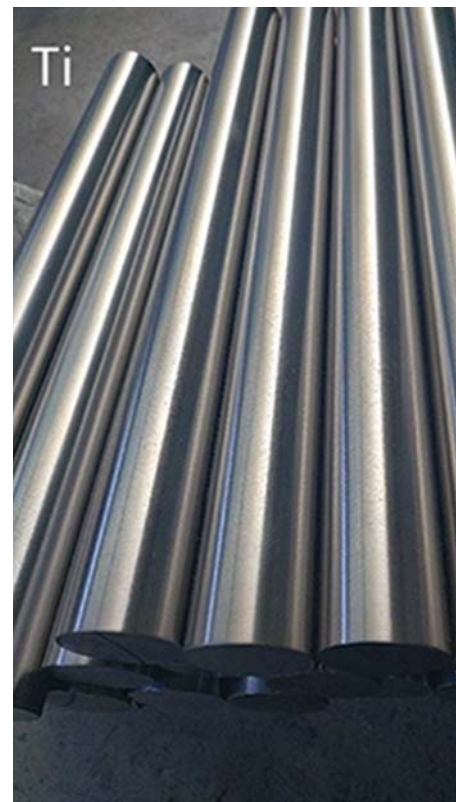
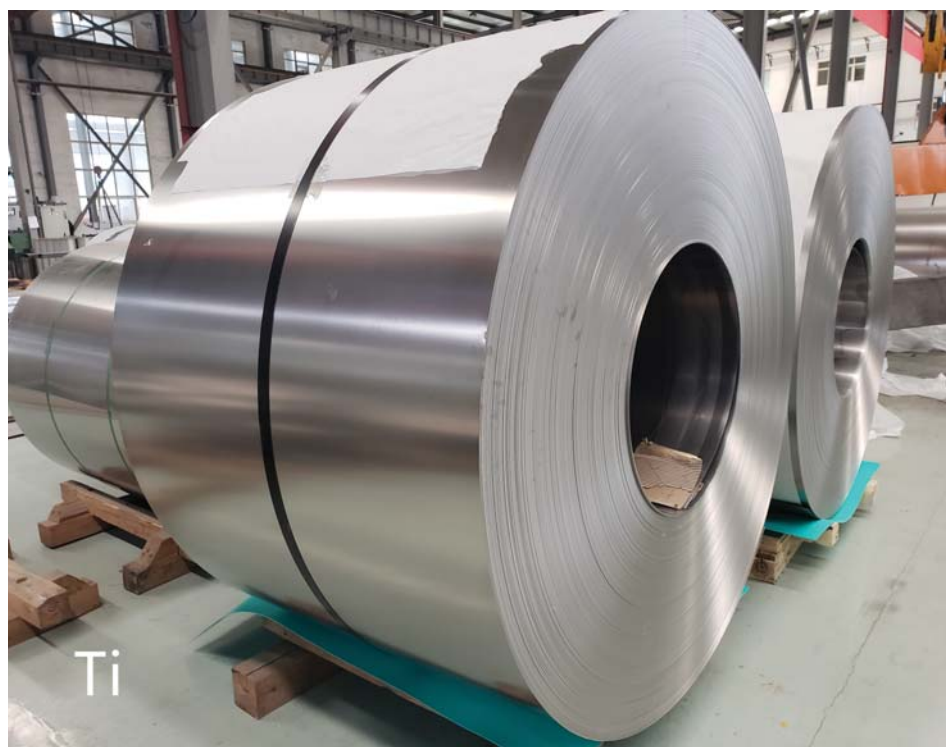


The capacity of Titanium sponge is about 8000 tons per year. The system contains 13T Ti sponge reactors, and an 8000T oil press and Titanium sponge crushing production line which was imported from Russia, so as to ensure high quality Ti sponge.

We have the world first level melting production system. The system contains 3T VAR furnace, 10T VAR furnace, Sponge mixing and distribution system and 8000T oil press. The capacity is 10000 tons per year.

XRUN can produce 7000 tons annually of Titanium billet, bar, disc, ring, forging etc. and its alloys. The system contains a 5000T High-Speed forging Press. This advanced machine ensures our products can fully meet the specifications for aerospace, chemical industry, medicine etc.

The production line of plates, sheets and strips also uses the best production technology. We have a 2.45M four-roll reversing mill, 1.45M clad mill, electric heating furnace, straightening machine, water jet cutting machine, flame cutting



machine etc. The annually production is about 20,000 tons.

We manufacture Titanium/Aluminum/Stainless Steel pots and pans, as well as Titanium bottles. The difference between our clad metal pans/pots and others is there is no coating layer on our products. Nevertheless we guarantee non-sticking.



Company details:

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Email: suna@xjrun.com
Website: www.xjrun.com

Zhejiang Shenji Titanium Industry Co., Ltd

Zhejiang Shenji Titanium Industry Co., Ltd. was established in March 2008. We specialize in the production and research of titanium and titanium alloy sheets/plates. After ten years' development, with strong technical research and development strength combined with unique craftsmanship, Shenji has become a very international competitive sheets/plates supplier. The production capacity, quality level and cost controls of our titanium alloy thin sheets are at the international leading level, which is also our company's core products.

Speaking of our products, our aviation sheets/plates that are exported to the United States, Europe, India, Taiwan and other countries and regions have nearly doubled the annual sales every year in the past three years, and we are becoming a qualified supplier of Antonov company. In addition, we are also a major exporter of medical titanium alloy sheets in China.

Here, we must also mention our researched grades SJ100 and SJ900. The SJ series alloy independently researched and developed by our company is leading the development direction of the industry in the domestic market. The SJ1100 is being attracted



with interest by sports, leisure, military equipment and other applications direction with its high strength, high plasticity and low cost; however, the SJ900 makes the strip production of medium and high strength titanium alloy sheets possible with better processing performance, and will be mainly used in

automobiles and consumer products in the future.

We will continuously provide our best quality and best service for all customers through our professionalism, our efficiency and our sincerity. We are your trusted titanium producer and partner!



Company details:

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Zhejiang 313307
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Phone: 0086 21 5872 8836
Fax: 0086 21 5872 8837
Email: sales@shenjiti.com
Website: www.zjsjty.com

Zhejiang YinLong Stainless Steel Co., Ltd.

High Quality Stainless Pipes and Fittings, good Price with professional team!

The answer is YinLong!



YinLong was founded in Wenzhou and established 3 mills in Lishui City, China, focusing on high quality SS SMLS pipes and BW fittings since 2007. Mills are within 30 mins by driving from each other, and conveniently located to Shanghai port and Ningbo port, allowing us to efficiently distribute our orders and ensure the best delivery time to our clients.

Mill Yin Long (YLg)

- 1) Certification: ISO, ABS, PED, DNV CE, GOST, China Boiler certificates.
- 2) Material (Grade): SS, Duplex, SDSS

Mill Yin Lai (YLi)

- 1) Certification: ISO, CE, China Boiler certificates.
- 2) Material (Grade): SS, Duplex, SDSS

Mill Hong Quan (HQ)

- 1) Certification: ISO, China Boiler certificates (in process).
- 2) Material (Grade): SS, Duplex, SDSS

Revenue Growing

YinLong annual sales is growing steadily, last year we had a 25% increase in sales compared to the previous year; 90% of our production is sold abroad and the remaining 10% is sold to the local market.

Taiwan, South Korea, Europe and North America are our major market and last year has increased our participation in South America and Southeast Asia.

Our sales are related 70% to stockists, 15% to Engineering Projects, and 15% to Heat Exchanger producers, with clients in different industries such as Petrochemical, Pharmaceutical, Chemical industry, Food industry, Paper making industry and some more.

Professional Sales Team

We have an experienced selling team to provide our clients with prompt and professional services, as well as international employees who work in their local market.


YinLong is able to meet and comply with the most stringent project requirements, and maintains an approved vendor status with major end users.

Our manufacturing, logistics and sales departments work closely together so that our customers' needs can best be served.

- Global leader in stainless steel Smls pipe and Bw fittings.
- Rapid growth in different markets.
- Global manufacturer and distributor, integrated with the customer.

Contact us! it will be our pleasure to assist you!

YINLONG STAINLESS STEEL GROUP




银隆 Yin Long 泓泉 HongQuan
瑞石 Ruishi

Company details:

Name: Zhejiang YinLong Stainless Steel Co., Ltd.

Address: YinLong mill: Tashi County, Lishui City
60Km from Mill HQ, 650Km from Shanghai Port
HongQuan mill: Songyang County, Lishui City
600Km from Shanghai Port; 400Km from Ningbo Port
YinLai mill: Songyang County, Lishui City, 15Km from Mill HQ, 115Km from Wenzhou headquarter

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Mob: 0057 3215162986

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Zirom Titanium



TITANIUM INGOTS AND TITANIUM ALLOY

www.zirom-titanium.com

TITANIUM INGOTS AND TITANIUM ALLOY



QUALITY MANAGEMENT CERTIFICATION
SERVICE BUSINESS
CUSTOMER STANDARD

ISO 9001



Testing

- UT immersion & contact testing
- Full chemical analysis
- Metallography
- Tensile
- Brinell-HBW
- Beta-Transus-DTA

Any other tests, which are required by various standards and can't be conducted in-house, are being outsourced and certified by us where appropriate.

TITANIUM INGOTS AND TITANIUM ALLOY



Surface type

Turned bar
Min / max diameter 80 - 425 mm
Max Length 3,000 mm

Square billet
Forged plates
Emboss for rolling
Min / max diameter 45 - 350 mm
Min / max diameter 70 - 400 mm
Max Length 1,500 mm



OUR CURRENT CERTIFICATES

- AS9100D / EN9100:2018
- ISO9001: 2015
- ISO14001: 2015
- OHSAS18001: 2017
- ISO17025: 2005
- NORSOK M650 (for 2000 and 1000 Pr. 5)

CERTIFICATES

- AS9100D / EN9100:2018

Standards

We produce / test / certify our products according to:

- AMS 2631 (up to AA)
- AMS 2154 (up to AA)
- AMS6931
- AMST9047
- AMS 4928
- AMS 4981
- BS 3TA11
- WL 3.7164
- ISO 5832-3
- ASTM F 136
- ASTM B 348 + 367 + 381 + 977

our products according to:

- AMS 2631 (up to AA)
- AMS 2154 (up to AA)

TITANIUM INGOTS AND TITANIUM ALLOY



Product Types & Dimensional Range

Turned bar
Min / max diameter 80 - 425 mm
Max Length 3,000 mm

Square billet
Forged plates
Emboss for rolling
Min / max height 45 - 350 mm
Min / max width 70 - 400 mm
Max Length 2,000 mm

Higher specification demands (e.g. AMS 2631 AA, 2154AA) might allow only a lower dimensional range. Please ask our sales team for details.

Recycling

THE CHALLENGE

Despite the many useful and innovative properties of Titanium, the biggest challenges remains, that during the production cycle a lot of shavings and solids are being produced as well. This is caused firstly by the fact, that Titanium and its alloys attract a lot of gases during melting, forging, if not processed in a protective atmosphere of Argon or Helium or in a Vacuum and, secondly, by the different shapes of pre-material, from which the finished parts have to be extracted. Fly-To-Buy ratios of 1:10 or 1:8 remain one of the biggest challenges of the industry.

RECYCLING AT ZIROM

As Recycling becomes more and more important, we process and recondition solids and shavings with our EB-CH to its previous condition. This helps our customers to be more competitive and to recycle its reverts in a controlled manner. With our EB-CH and a vast experience in reconditioning revert materials, ZIROM makes sure, that the resulting material is as good as made from fresh material. ZIROM is one of the few recycling capacities in Europe.



Zirom Titanium company, a worldwide Titanium manufacturer located in Romania, a high-end producer of ingots of various alloys in 2 diameters: 470 - 480mm & 570 - 580mm in 2VAR, 3VAR or EBCH-1+2VAR and also producer of round bars, plates, blocks and square billets.

We are committed to deliver best quality, we observe the highest manufacturing standards in our industry, while also being one of the few recycling capacities in Europe.



Company details:

Name: Zirom Titanium

Address: 17C Sevastopol Street, 1st floor
010991 Bucharest
Romania

Phone: +40 721 266 616

Email: info@zirom-titanium.com

Website: www.zirom-titanium.com

Cover Story Gallery



November 2019: Raccortubi Group **Raccortubi Group: 70 years of flexibility and reliability**

Since its foundation in Italy in 1949, Raccortubi has expanded to become a leading manufacturer, stockist and supplier of pipes, fittings and flanges for critical applications. This unique combination allows the company to offer customers flexible, tailor-made solutions. Throughout the decades Raccortubi has embraced a leadership philosophy focused on flexibility and reliability. Stainless Steel World talked to company President Mr. Luca Pentericci to learn about some of the key milestones that have led to its 70 years of success.



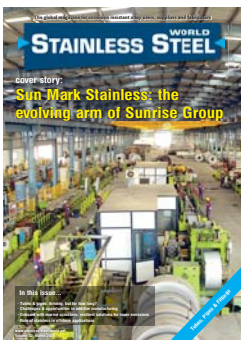
December 2019: Corrotherm **Corrotherm: Nickel alloy specialist widens global footprint**

As a specialised stockist and supplier of seamless pipes, fittings, flanges in nickel and nickel alloys, Corrotherm has served its customers in some of the world's most demanding applications for over 27 years. Stainless Steel World spoke to company CEO Mrs. Jan Ward and the Head of Sales at the Corrotherm office in the Netherlands, Mr. Martijn Verstappen, to learn about how the company continues to evolve.



January/February 2020: Chromeni Steels **Chromeni Steels facility roars into stainless steel industry**

Mr. Pratik Shah, Director of Chromeni Steels, has a prediction for 2020: "it's going to be a good year for the company, for India, and for the global stainless steel trade." Mr. Shah has cause for optimism. Early in 2019, construction had finished on Chromeni's new production facility in record-breaking time, and their operation rang in the new year at full capacity. A unique DRAP, 5 stand tandem mill distinguishes Chromeni's integrated stainless steel production plant in Gujarat, India, pushing the company towards their 4 million ton per/annum goal by 2025. And with all major approvals and certifications in place, Chromeni Steels is poised to carry Indian stainless steel—and India itself—into the future.



March 2020: Sun Mark Stainless **Sun Mark Stainless: the evolving arm of Sunrise Group**

What does trust, reliability, and commitment look like in the global stainless steel market? For Mr. Pratik Shah of Sun Mark Stainless, the answer is best given in the form of an anecdote: "In 2014, a client placed a large order with us. Then the market price suddenly increased by more than \$500 per ton before the order had been processed. But there was never a word spoken about trying to renegotiate the prices agreed upon, because if we take care of the client, if we take care of each other in difficult market situations; we are fulfilling our commitment as a company." Unsurprisingly, with an attitude like this, Mr. Pratik and his brothers- Mr. Ruchit & Mr. Jignesh have led Sun Mark to tremendous success over the past 6 years, building on a legacy that began with their father's company, Sunrise Group, in the late 1970s.



April 2020: Hempel Special Metals **Hempel Special Metals: Alloy 24 resurrected to tackle demanding applications**

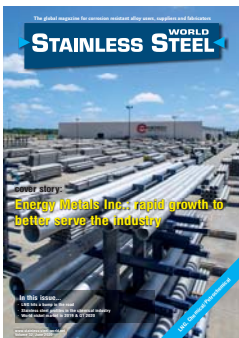
Super austenite Alloy 24 is a material that lives up to its name, distinguishing itself from standard stainless steels, 6%Mo steels and all duplex grades thanks to its corrosion resistance, strength and attractive pricing. Developed in the 1990s, production of Alloy 24 ceased following a merger of the manufacturer. Now, however, Hempel Special Metals has resurrected Alloy 24 and sees a bright future ahead for this material which is ideally suited to demanding applications such as marine scrubbers and the chemical process industry. Stainless Steel World met with CEO Mr. André Hempel and materials specialist Mr. Rolf Kirchheiner (Dipl.-Ing.) to learn about the history of Alloy 24 and the exciting future that lies ahead for this remarkable alloy.



May 2020: BAOTI Group

BAOTI Group: quality products and maximum value

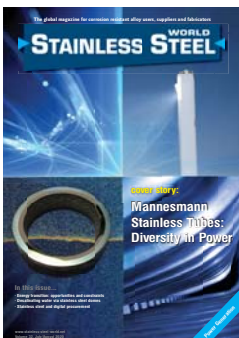
Baoti own ten integrated production lines for titanium sponge, melting, forging, rolling and downstream products, including ingot, billet, slab, plate & sheet, coil, extruded pipe, seamless tube, welded pipe, square/round bar, wire and forging. All production is controlled with strict quality systems. Baoji, the city in China where the Baoti Group is located, is widely recognised as China's "titanium city" and is a flagship for the titanium industry. Among the numerous titanium enterprises in the city, Baoti Group is conspicuous for its long history, innovation, reliable quality and outstanding performance. Over the years, Baoti Group has led the market in representing titanium products made in China. The Group is committed to serving its clients with quality products, and to spreading awareness of Chinese titanium across the international market. Stainless Steel World met our friends Baoti Group for an in-depth conversation with Mr. Wensheng Wang, President of the Group. He explained how Baoti Group stays competitive by continually creating the maximum value for its clients all over the world.



June 2020: Energy Metals Inc.

Energy Metals Inc.: rapid growth to better serve the industry

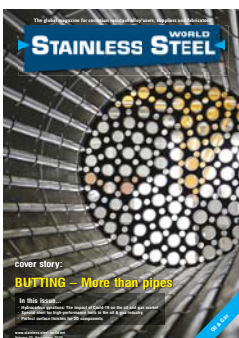
Energy Metals has been known as a master distributor for high-end alloys in the industrial sector for over a decade. Over the past year, the company has significantly increased market share through strategic acquisition, substantial investment in inventory, and expanded capabilities to better serve the industry. Stainless Steel World had the opportunity to speak with Gary Downie, General Manager, located at the company's UK office, about the company's rapid growth over the last year, the recent acquisitions and new office locations, and the complete range of speciality stainless and nickel alloy grades available to their customers.



July/August 2020: Mannesmann Stainless Tubes

Mannesmann Stainless Tubes: Ready for the future

When Stainless Steel World met with the team at Mannesmann Stainless Tubes, the effects of the Covid-19 pandemic were still evident. From company HQ in Mülheim an der Ruhr, Germany, Christophe Le Rigoleur (Group Managing Director) and Patrik Schraven (Global KAM Power Gen) described how the company weathered the storm; and how it is expanding its already-dominant presence in the power generation industry. Pride in how their team triumphed against adversity, and gratitude to the solidarity of their business partners, was evident from the moment the conversation started. The team now feels ready to take on the world and whatever the future may bring.



September 2020: BUTTING

BUTTING - More than pipes

BUTTING is a renowned pipe specialist with a worldwide reputation. More than 44,000 tons of its longitudinally welded stainless steel pipes and clad pipes are used in many industrial sectors each year. However, BUTTING offers much more than this. Do you require prefabricated pipelines, vessels or sophisticated components? Then BUTTING is your partner. Extensive production capacities are available at its plants in Knesebeck and Schwedt in Germany, and in Tieling in China.



October 2020: Kobelco become Maruichi

Kobelco become Maruichi; commitment to quality remains unchanged

On June 1, Kobelco Steel Tube Co., Ltd. changed its name to Maruichi Stainless Tube Co., Ltd. The company continues to provide a stable supply of high-quality seamless stainless pipes and tubes. It also produces high-growth products such as semiconductor bright annealed pipes and precision bright annealed tubes for direct injection automotive engines. Stainless Steel World spoke to President and Representative Director Mr. Takashi Onishi about the transition.



Duplex World Seminar & Summit

RDM Rotterdam, the Netherlands,
Benefit from the great synergy between these

Duplex World: dynamic & interactive

Duplex World is a dynamic and interactive event with a strong focus on personal interaction, coupled with a high-quality technical seminar program. Unique in the industry, the Duplex World Seminar unites duplex researchers, manufacturers, end-users and suppliers in an open, explorative and focused forum. Network with the leading minds driving ahead innovation and excellence in the field of materials science and explore the many possibilities for networking while sharing knowledge and expertise.

New topics, technical depth

Duplex World is renowned for the technical depth of its seminar sessions and lively, interactive workshops. While duplex stainless steels are holding their own in traditional markets such as chemical/petrochemical and oil & gas, it's also expanding into structural applications such as bridges and tanks. Additive manufacturing is an exciting application which is also exploiting the benefits of this family of materials. The international market for duplexes continues to evolve, and dedicated sessions on potential and developing markets and applications will provide a valuable update.

Vibrant exhibition

Visitors and exhibitors at Duplex World and Heat Exchanger World Europe will benefit from both events, where material suppliers and manufacturers will network with fabricators and designers. Exhibition stands and networking lounges will encourage a steady flow of foot-traffic throughout both events. It's an ideal opportunity to meet new customers, suppliers and business partners, and learn about how your company's material or product can reach an even wider audience. See the online floorplan for details at www.duplex-world.com/duplexworld2021/



NEW! Open sessions

Throughout Duplex World, open sessions held on the exhibition floor may be attended by all visitors, exhibitors and delegates at no charge. These include the highly successful 'Dr Duplex' clinics where renowned experts take questions from the audience and provide solutions to problems. It's a unique opportunity to get an expert consultation for free! Learn about emerging and potential duplex markets during open sessions by our event supporters the International Stainless Steel Forum.

Welcome from the Chairman...

It is with immense anticipation of what will be a great Duplex World 2021 that an invite is extended to all with an interest in Duplex Stainless Steels. A material that continues to offer great benefits, opportunities, and challenges a like. Whether your interest is in defining and extending safe usage, manufacturing or use of these materials for new energies or manufacturing processes, there is something in the program of interest. The seminar is a prime opportunity to learn, exchange knowledge and discuss with peers. The interactive workshops have proven excellent formats in years gone by and will do so again. Exhibitor booths are always lively and give the chance to see new and innovative offerings.



Seminar Chairman Bruce Cowe from TOTAL

It is with great pride that I personally look forward to welcoming you to Rotterdam and to jointly ensuring Duplex World 2021 is the resounding success of previous seminars.

See you in June,
Bruce Cowe,

Materials & Corrosion Specialist, Total Exploration & Production, France

For more information about the Duplex World exhibition, contact Mr. Simon Neffelt
Email: s.neffelt@kci-world.com
Tel: +49 2821 71 145 44

For more information about the conference, contact Mrs Joanne McIntyre
Email: j.mcintyre@kci-world.com
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www.duplex-world.com/duplexworld2021/

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+ Heat Exchanger World Europe 1 & 2 June 2021

two events; one ticket gives access to both!



Heat Exchanger World Europe: from design to manufacture

Heat Exchanger World Europe conference & exhibition will open its doors at the RDM Rotterdam, The Netherlands on June 1 & 2.

Located at the industrial heart of Rotterdam's bustling docklands, this new conference and exhibition will provide a dedicated meeting ground for professionals working in the heat exchanger supply chain. The conference will address key issues within the industry from design and manufacture, through purchasing to usage and maintenance.

Network and learn

The goals of Heat Exchanger World Europe are to:

- Present the latest developments and best practises in industrial heat exchange
- Connect experts and peers to gain and improve knowledge
- To further develop an end-user understanding of specialist equipment
- Introduce new and potential clients and promote new products and projects



Technical conference

The conference will look to the future of the supply chain and the changing needs of the industry, featuring traditional presentations and hands-on workshops where new skills and knowledge will be gained.

Quality exhibition

Already selling out fast, the exhibition features a 'who-who' of heat exchanger designers, fabricators, and distributors. Visit the website for the full exhibitor list.

New location!

Duplex World and Heat Exchanger World Europe 2021 are co-located in the former submarine construction yards at the Rotterdam Drydocks 'RDM' in the Netherlands. Located close to the industrial heartland of Rotterdam, it is nearby a huge range of chemical and petrochemical plants, refineries, equipment manufacturers and oil & gas plants. The modern, industrial location is easily reached by car and public transport.

Welcome aboard!

Visitors can choose to stay at the event hotel SS Rotterdam, a majestic former cruise ship moored a short 10-minute water taxi ride away from the event location. Book your room for a special discount rate on the website www.duplex-world.com/duplexworld2021

Join us on June 1 onboard the ship and profit from the networking experience!

For more information about Heat Exchanger World Europe exhibition, contact Mr. Kamiel van Wijk

Email: k.v.wijk@kci-world.com

Tel: +31 575 585 289

To participate in the conference contact

Mr. John Butterfield

Email: j.butterfield@kci-world.com

Tel: +31 575 585 294

Sponsored by:



<https://www.heat-exchanger-world.com/hew2021/>

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Buyers' Guide + ON·LINE



Combining the power of print with the reach of the Internet, the Buyers' Guide+Online is an inexpensive yet persuasive tool to brand your company's products and services to the global Stainless Steel World community.

Here's how you'll benefit:

- Your entries will be printed in each issue of Stainless Steel World magazine. That's ten issues per year!
- Your details will also be included in the Annual Procurement Report, distributed to Procurement Managers
- Your Company Profile - including a logo, 3 pictures and 400 words of text - will be posted online for an entire year



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For more information contact us: v.solis@kci-world.com

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Your company details
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fax: +81-3-3273-4634
inquiry@nyk.co.jp
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www.sverdrupsteel.com

S & N Stainless Pipeline Products Ltd

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South Korea
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www.dhclad.co.kr

BUTTING

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www.butting.com

DUPLEX

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Jiuli Hi-Tech Metals

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fax: +81-76-289-4141
s-info@kuze.com
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*Manufacture of Seamless
Pipe: Aust.Stainless Steel
(TP304L, TP316L..) :
~24"NB, 6Mo(S31254);
~6"NB, Duplex(S31803);
~20"NB, S.Duplex(S32750);
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Alloy (C22)*

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dmv@mst.mannesmann.com
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<https://www.materials.sandvik.com>
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fax: +81-3-5929-1944
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Exporter of Duplex Tube & Pipe
31803, 32205, 32750, 32760

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fax: +44-161-351-6689
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We are the leading supplier of pipe, pipe fittings & flanges IN UNS31254, DUPLEX and SUPER DUPLEX stainless steel. We carry extensive stocks in above grades in both UNS32750 and UNS32760 in sizes from 1/2" NB through to 24" NB



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fax: +358-3-882-1914
sales@stalutube.com
www.stalutube.com
Stainless Steel Hollow Sections, Custom Made Quality i.e. cut length service, angular or laser cutting, perforating, special profiles, higher strength materials and special materials.

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<http://www.tubacex.com>

DUPLEX TUBES - WELDED

BUTTING

Gifhorner Straße 59
Germany
tel: +49 5834 50-0
info@butting.de
www.butting.com

EVENTS

Duplex World Seminar & Summit 2021

The Duplex World Seminar & Summit is renowned as the foremost biennial gathering of the global duplex stainless steel community, bringing together the highest concentration of experts and key stakeholders from across the engineering landscape and supply chain.

For more information please contact Conference

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Fugitive Emissions Summit China

November 2-3, 2020
Shanghai, China
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tel: +86 21 6351 9609
z.liu@kci-world.com
Conference Information:
Ms. Laura WANG
tel: +86 21 6351 9609
l.wang@kci-world.com
<https://fugitive-emissions-summit.cn/>



Managing Aging Plants Summit China

November 2-3, 2020
Shanghai, China
Exhibition information:
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tel: +86 21 6351 9609
z.liu@kci-world.com
Conference Information:
Ms. Laura WANG
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l.wang@kci-world.com
<https://www.managingagingplants.com/>

Stainless Steel World Japan 2021

Conference & Exhibition Japan.
February 16th-17th,
2021 Tokyo Metropolitan Industrial Trade Center – Hamamatsuchokan
1-7-1 Kaigan, Minato-ku, Tokyo, Japan (5th floor)
The technical conference, held in both English and Japanese, will offer an excellent opportunity to share experiences and challenges related to the use of stainless steel. The exhibition will bring together manufacturers and stockiest to showcase their products and services to an international audience.
For information please contact
Ms. Kiyo Ichikawa
k.ichikawa@kci-world.com,
tel: +31-575-789-260

Stainless Steel World Middle East Exhibition Muscat, Oman

13-15 September 2021
The exhibition will form part of Oman Petroleum & Energy Show (OPES) event. SSWMEE will provide an effective business and networking platform, serving as a key meeting point for energy professionals, oil and gas companies, policy and decision makers, and stakeholders.
Book A Stand
For information
Mr. Mehmet Erel
tel: +31-6-109-77-826
m.ere@kci-world.com

FINISHING

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