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ProtoTRAK[®], once you've used it, you won't want to use anything else.
 Precision Edge Ltd, Hordham

The ProtoTRAK[®] Mill can increase manual production up to 6 fold.

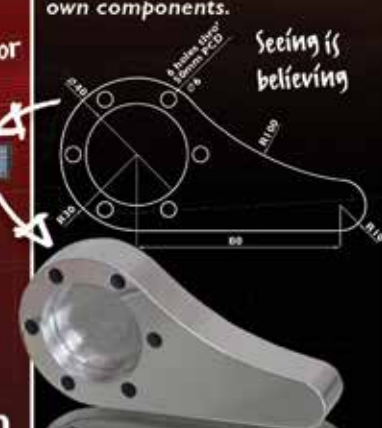


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Momentum builds for TIE 2016

The 16th edition of TIE (Tehran International Industrial Exhibition), which is being staged at the Tehran International Fairground in Iran, promises a rich hunting ground for machine tool companies looking to access this rapidly expanding market. Taking place on 5-8 October 2016, the show is expecting a bumper year in the wake of recently lifted sanctions.

This Iranian economy has been beyond the reach of overseas trade since sanctions were first imposed in 1979, but all that is changing fast. The country's important manufacturing sectors, which include automotive, energy, telecommunications and domestic appliances, can now tap



into the machinery, equipment and services of overseas suppliers in a bid to make them competitive on a world stage. As always, MTI will be present at TIE, handing out extra printed copies of its

show issue from the company's dedicated stand, which will form part of the sold-out MTI Pavilion at the show.
For further information www.idro-fairs.com

Ashok Leyland expands production

Ashok Leyland, India's second largest commercial vehicle manufacturer is expanding its bus manufacturing plant in Ras Al Khaimah, United Arab Emirates to double production capacity. His Highness Shaikh Saud bin Saqr Al Qasimi, Member of the UAE Supreme Council and Ruler of Ras Al Khaimah, laid the

foundation stone for the \$10m expansion project that also incorporates a design and service training centre. The RAK plant capacity expansion, from 12 to 24 buses daily by end of this year, is part of a global expansion plan by the world's fourth largest commercial vehicle maker.

For further information www.ashokleyland.com

Plans for aero engine parts plant

Rolls-Royce and Mubadala Development Co have revealed plans to build a manufacturing facility based in Abu Dhabi that will develop aero engine components. The strategy is part of Rolls-Royce's commitment to develop a competitive, capable and flexible Trent Service Network to support the growing number of Trent engines that will enter service as Rolls-Royce increases its installed base to more than 50% of the wide-body passenger market.

Mubadala will create a purpose-built facility that will carry out work on the Trent XWB, an aero engine that powers the Airbus A350 XWB. Rolls-Royce is also creating a competitive global supply chain within growth regions and key strategic markets, which will give the flexibility required as



Rolls-Royce increases engine production. The manufacturing centre will produce discs for the Trent XWB, with capability to make similar parts for other Trent

engine types. It is expected to start operations in 2018.
For further information www.rolls-royce.com
www.mubadala.com

Hasco relocates

Following a significant investment programme by standard mould component specialist Hasco in its facilities at Luedenscheid, Germany, and the implementation of SAP enterprise management software across its global operations, Hasco UK has recently relocated its warehousing to the company's central storage operation in a move that aligns its operational practices with sister companies across Europe. With its warehouse function relocated, the company will also move its UK operation, but only a few miles up the road. From September 2016, Hasco will operate from the iCon Environmental Innovation Centre in Daventry.

For further information
www.hasco.com

Supply chain event

Reshoring UK is staging an automotive supply chain event on 6 September (09:00-13:30) at the Manufacturing Resource Centre in Alcester, Warwickshire. Reshoring UK has launched a new initiative to unlock opportunities in the multi-billion pound automotive sector with the support of partners such as the GTMA, BMTA, CMF, PMMDA, MMMA, EIA, AFRC and Gambica. Companies looking for supply chain requirements include organisations such as Jaguar Land Rover and Unipres, which will send guest speakers on the day.

To register e-mail
info@reshoringuk.co.uk

New recruits wanted at WNT

WNT (UK) is looking to further expand and develop its customer support package with the addition of three applications sales engineers, taking the total to eight. As such, WNT is looking for applications from engineers who want to take their first steps into a sales orientated role. These new recruits will be part of an expanding team at the Sheffield-based cutting tool specialist, taking the sales team to 32 engineers.

"This latest round of expansion of our customer-facing team is a vote of confidence in the UK engineering sector," states Adrian Fitts, business development manager at WNT (UK). The three new positions will be field-based and cover the northwest, southeast and midlands regions of England, and complement the



four applications sales engineers already in place covering the rest of the UK and a fifth based at WNT

(UK)'s Sheffield Technical Centre. For further information
www.wnt.com

German market improvement

In the second quarter of 2016, order bookings in the German machine tool industry rose by 16% compared with the equivalent period in the preceding year, says the VDW (German Machine Tools Builders' Association). Domestic orders were up by 19%, while demand from abroad increased by 14%. The eurozone contributed growth of 37%, and non-eurozone nations a 10% rise in orders. In the year's first half, order bookings increased by a substantial 12% compared with the 2015 figure. While domestic order bookings rose by 10%, orders from abroad were also up, by 13%. For further information www.vdw.de

Innovation to inspire

Seco Tools UK's 'Inspiration through Innovation' manufacturing best-practice event is taking place at the company's technology centre in Alcester on 21-22 September. Now in its third year, the event provides manufacturers with the opportunity to see first-hand a number of innovative and challenging machining demonstrations. Visitors can also attend a series of seminars from organisations such as the EEF and AMRC, which this year will focus on Industry 4.0 issues and developments. In addition, visitors can see 40 different technical partner stands, each showcasing the latest manufacturing technologies and solutions. For further information www.secotools.com/gb

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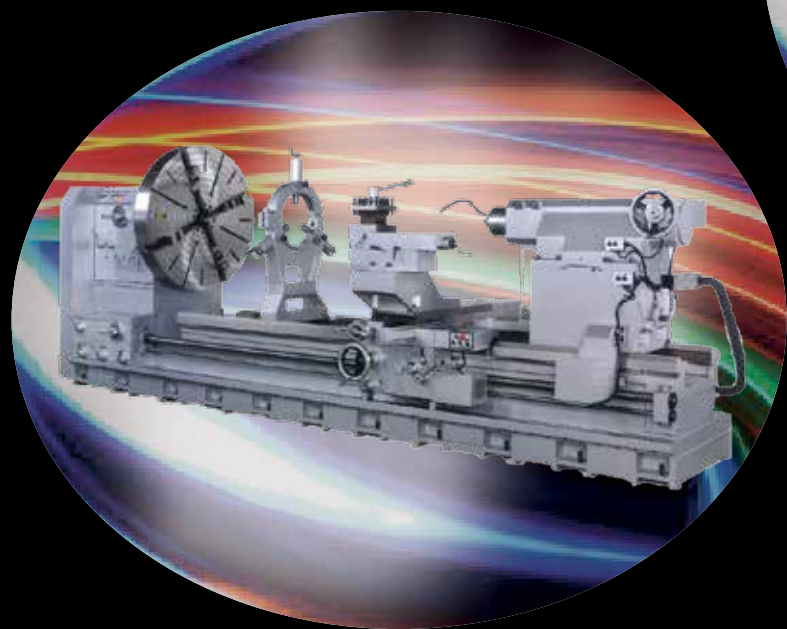
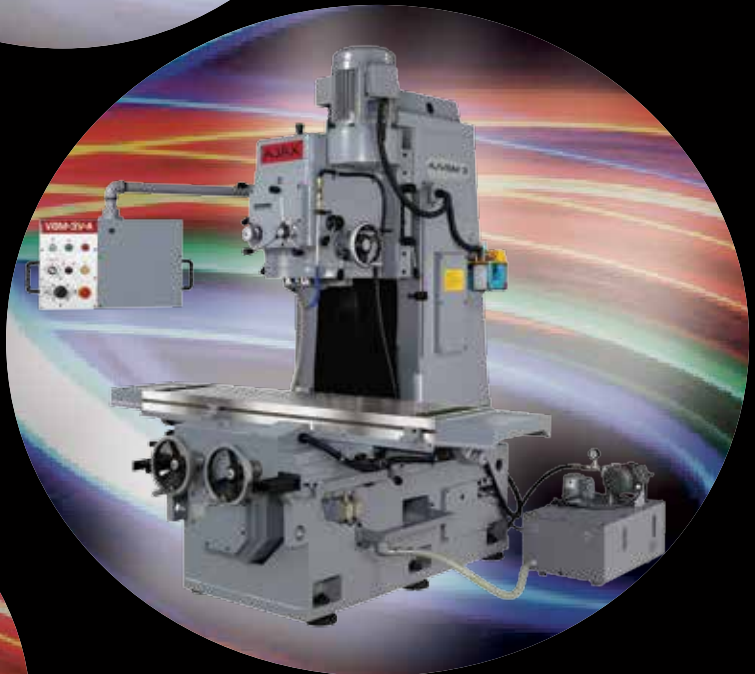
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OEE guide

Managers seeking to boost productivity and quality by introducing a continuous improvement process (CIP) will be interested in a new white paper from Forcam, a supplier of manufacturing execution systems (MES). The paper introduces the concept of true OEE (overall equipment effectiveness) and shows how every member of the production team can be provided with customised and objective real-time data that will improve performance. Reports from the system highlight discrepancies between potential and actual performance in key performance areas such as plant utilisation, process speed and quality yield. *The paper is accessible from www.forcam.com*

Sales growth

At the end of fiscal year 2015/16, ending 30 June 2016, the Trumpf Group registered a 3% increase in sales. According to preliminary calculations, the figure amounts to €2.8bn (previous year: €2.7bn). In Spain, Trumpf achieved double-digit sales growth, while growth in France was also in the double digits, regaining pre-recession levels. Sales in Germany grew by around 5%, to almost €600m. Trumpf also achieved significant sales increases in Japan and the Asia-Pacific region. In China, however, economic growth cooled. According to preliminary calculations, revenues there totalled roughly €360m – a decrease of around 2%. *For further information www.trumpf.com*

Ellesco sets open house dates

As the summer draws to a close, surface finishing and deburring expert Ellesco will be looking to put a shine into the first month of autumn with the announcement of its open house event on 20-22 September. Any engineers with components that require deburring or surface finishing are invited to bring along problem parts to trial on the Grindingmaster Timesaver machines. The four Timesavers machines at the event will include the Timesavers 10 Series



1300MGVT, the 12 Series 600WB, the 22 Series 900W and the 42 Series WRB machine (pictured). Alongside the new products, Ellesco will have a range of used and refurbished surface finishing machines available for immediate delivery.

The event at the Ellesco facility in Christchurch will be a

great opportunity to see four of the latest machines from Timesavers, while an abrasives expert from Hermes Coated Abrasives will be on hand to discuss the technical elements and benefits of its range of abrasive belts, brushes and consumables.

For further information www.ellesco.co.uk

China order creates 40 jobs

Unipart Manufacturing has secured a seven-year contract to supply engine components for Ford cars produced in China. The contract will create 40 new jobs in Coventry. Unipart is now one of only a small number of companies in Europe to produce gasoline fuel rails for Ford and other car manufacturers. The components enable fuel to be injected into the engine under very high pressure to provide greater fuel efficiency and 'cleaner' motoring. The new contract will start in 2018 and will result in a production increase of around 50% at the fuel rail facility in Coventry. *For further information www.unipartmanufacturing.co.uk*

Stamping market growth

The global automotive metal stamping market is expected to reach \$112.38bn by 2024, according to a report by Grand View Research Inc. The growth is anticipated because of rising demand in the automotive industry and lower manufacturing costs. Increasing sheet metal usage in automobile chassis, transmission components and interior and exterior structural components is expected to drive market growth over the forecast period. Furthermore, technological advancements, including the use of hybrid electromagnetically assisted sheet metal stamping machines, is expected to have a positive impact on industry growth. *For further information www.grandviewresearch.com*

DNA Metalwork commences operations

WEC Group has founded a new metal profiling and processing company as a way of strengthening operations at its Rotherham-based division, MTL Advanced. DNA Metalwork is operating as a new 'job shop' subsidiary of MTL at its 300,000 sq ft Grange Lane facility, providing subcontract profiling and sheet metalwork services to a range of industries.

DNA Metalwork has access to WEC Group's in-house

profiling capacity which includes 21 laser cutters, two tube laser machines, one robotic plasma tube cutter, four waterjet cutting machines and 23 press brakes. In addition, the company has 40+ CNC machining centres and 12 robotic welding cells working around the clock. The creation of DNA Metalwork means WEC Group now has 15 specialist engineering divisions.

For further information www.dnametalwork.com



Amazing Ex-Demo Deals on SMEC at Dugard



SMEC
MACHINE TOOLS

SMEC PL45LY

List Price

£186,200

Ex-Demo Price

£144,596

Specification

Fanuc 0iTD control	Y axis 200mm (± 100)
18" chuck	975mm Max swing diameter
2200mm between centres	620/2250mm max turning diameter/length
Driven tools	Prepared for hydraulic steady
Manual tool setting probe	Swarf conveyor

Special Prices on SMEC Large Turning Machines



SMEC
MACHINE TOOLS

SMEC PL60LM

List Price

£236,250

Ex-Demo Price

£173,412

Specification

Fanuc 0iTD control	Mill/drill BMT turret
1030mm swing	45kW
3200mm between centres	12 station ATC
21" chuck	Driven tools
Manual tool setting probe	Swarf conveyor

AUCTION SPOTLIGHT

● Cottrill & Co is facilitating an auction of machines no longer required by CMP and others. Lots include: a Boko F30 milling; a Tarnow gap bed centre lathe; a Smart & Brown centre lathe; a Britan Capstan lathe with barfeed; an Astra TCS-610 tool and cutter grinder; a Myford HA cylindrical grinder; a Delapena Speed hone; an HME inclinable 30-ton adjustable stroke power press; an Opti DBS75 belt finisher; and a Sealey bead blast cabinet. Viewing is by appointment only. Bidding ends on 23 August at 15:00.

+44 (0)121 328 2424 www.cottandco.com

● 1st Machinery is hosting an online auction of machinery used previously by K2 Joinery, Dudley, UK. Lots include: a Sedgwick SM 255-T tilting spindle moulder; a UTIS TS50 spindle moulder; a Wadkin Sahara DW25A wide belt (900 mm) sander; a UTIS R50 thicknesser (510 mm); a Guilliet KXY 220 four-side planer; a Robland Z3200 panel saw; a UTIS D40 surface planer; a Wadkin cross cut saw; and a Wilson 30 DNK bandsaw. Viewing is by appointment only. Auction ends of 8 September at 15:00.

+44 (0)2476 992205 www.1stmachineryauctions.com

● Cottrill & Co is conducting an online auction of a Riello model VFX 300-6/4-0/-V Vertiflex transfer machine with rotary table located in Birmingham, UK. The specification includes: six stations; five multi-heads with six tools per head; one

workstation; two setting stations; a chiller; a swarf conveyor; a coolant management system; and a quantity of tooling. Viewing is by appointment only with the auctioneer. Bidding ends on Tuesday 20 September 2016 at 15:00.

+44 (0)121 328 2424 www.cottandco.com

● Cottrill & Co is staging an online auction of a two- and three-cylinder motorcycle crankshaft line no longer required by Triumph Motorcycles. The line comprises: two Ernault Toyoda 32 CNC crankshaft turning lathes; a Heller RFK200/800/1 CNC internal crankshaft mill; a TBT BW200-1 CNC seven-axis deep-hole drill; a Toyoda 60M GP72-63 straight approach CNC cylindrical grinder; and Toyoda G32N-50N and GLA5-50M angle approach CNC cylindrical grinders. Viewing is by appointment. Bidding ends on 28 September at 15:00.

+44 (0)121 328 2424 www.cottandco.com

● Hilco Industrial is holding a liquidation sale of individual presses as well as tandem and transfer press lines due to the closure of Ford's Genk vehicle operations in Belgium. The sale, which is being held in conjunction with Presses for Industry, includes Schuler transfer presses ranging from 2200 to 6200 tonnes, along with 400, 500, 600 and 1000 tonne tandem lines. Also offered are cut-to-length lines and blanking lines of various capacities.

www.hilcoind.com/fordgenk

UPCOMING FEATURES

22 August
Coolants and cutting fluids



29 August
Sawing

5 September
CNC mills and machining centres

12 September
Bending and forming



VTL KOLOMNA:
Max turning diameter: 8000 mm
Max turning height: 3240 mm
Max workpiece weight: 125 000 kg
Table diameter: 7100 mm
Max slider stroke: 2000 mm
Max travel of cross slide: 4400 mm



VTL SC 17 CNC
Control Siemens 810D
Table diameter 1400 mm
Turning diameter 1700 mm
Max. height under cross rail 1600 mm
Max. height under tool holder: 1400 mm
Max. workpiece weight 9 000 kg
Main drive motor power 40 kW
Table rotary 1,5-300 rev / min



CYLINDRICAL GRINDING MACHINE BUC 63 CNC
Year of manufacture 2004. Control CNC Siemens 810 D. Touch probe Renishaw. Steady rests. Technical details: Max. grinding diameter: 630 mm. Max. grinding length: 3000 mm. Max. workpiece weight: 4000 kg.



CNC BORING MACHINE GRAFFENSTADEN
Overhauled 2009
Spindle 130mm/ISO 50 • NUM 1060 control
Travels X/Y/Z/W = 5,400/2,000/ 625/850mm
Rotary table 3,000 x 2,000mm
Table movement 1,500mm
Table load 15 tons



CYLINDRICAL GRINDING MACHINE RUP 28
Year of manufacture 1989. Max workpiece dimensions: 280 x 1,000mm. Weight 4,500kg. Technical review and new geometry in 2016.



BORING MACHINE AD 115
Spindle diameter 115mm. Travels Z/X/Y/W 2,000/1,600/1,600/1,000mm. Table 1,500 x 1,800mm. Spindle MK6. Digital read-out.

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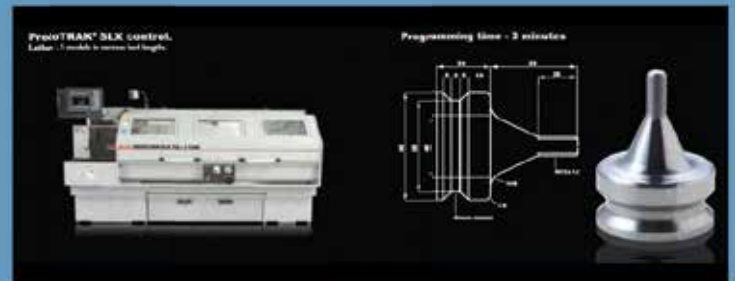


In only half an hour we will show you how the ProtoTRAK control for the mill and the lathe could revolutionise your production. We will show you how easy the ProtoTRAK is to programme and operate, even for those with no previous CNC experience.

We will show you how earnings of \$100 to \$200 AED per hour can be easily realised by slashing production times and guaranteeing component accuracy. We can base the demo on a typical piece of your work so you can truly see how the ProtoTRAK control can affect your business.




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desktop demonstration'
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takes 30 minutes



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AM helps scale down chuck technology

 Precise gripping of small diameter cutters has been the domain of shrink fit for many years. However, with the application of additive manufacturing (AM) techniques, WNT has developed a series of hydraulic chucks that it says is capable of gripping cutter shanks as small as 3 mm diameter with improved process security and enhanced cutter performance.

The application of AM

techniques has enabled WNT to create the high pressure chamber that operates the hydraulic chuck directly into the stem of the toolholder. This eliminates the previous requirement to braze the chamber in place, which was impossible to achieve accurately at these small diameters. With availability for shank sizes of 3, 4 and 5 mm, and the main body having a 3° inclination, WNT says that hydraulically clamped tools

can now be used in applications that were previously excluded to this type of toolholding.


The arrival of precision high pressure hydraulic chucks at these diameters brings productivity and financial benefits to users. With a hydraulic chuck, set-up time is around a third of that when using shrink fit. In addition, the chucks are suitable for both high speed steel and solid carbide cutters and can

operate at temperatures up to 120°C, with the added benefit that as temperatures increase, so does the gripping pressure.

The WNT high pressure hydraulic chucks are available with SK40, BT40 and KSK-A 63 spindle taper fitments, which are able to accept tool shank diameters of 3, 4, 5, 6, 8, 10 and 12 mm.

For further information
www.wnt.com

Tools for valve seat pocket machining

 Sandvik Coromant is now offering tooling dedicated to the challenging operation of machining valve seat pockets in oil and gas applications. Comprising a combination of an elliptical Silent Tools adaptor and CoroTurn SL cutting head, this solution is designed to overcome prevalent issues such as narrow flow bore diameters, vibration tendencies and long overhangs.

The challenges of machining valve seat pockets in the oil and gas industry encouraged Sandvik Coromant to create a tool with extended radial reach that offered high levels of security, repeatability

and performance into this demanding back-turning operation. With elliptical Silent Tools adaptors designed to reach deep seats, and CoroTurn SL cutting heads featuring a lightweight structure, a stable tooling configuration minimises vibration and offers extended reach in both roughing and finishing operations.

“The thicker back-end base and elliptical shape of the adaptor is purposefully designed to gain access to the seat pocket through the narrow flow bore diameter,” explains Åke Axner, global product manager for machine integration. “In addition, the use of CoroTurn



SL cutting heads gives users the potential to reach maximum cutting

depth, while Coromant Capto tool holders are recommended for stability and precision.”

A recent back-turning trial in clad Inconel 625 highlighted how the solution can eliminate vibration and promote surface quality. Using an elliptical Silent Tools adaptor, 25 mm CoroTurn SL cutting head and Coromant Capto C6 toolholder for one roughing and two finishing cuts, the final pass witnessed a surface finish of 0.2 Ra achieved at a cutting speed of 27 m/min, feed rate of 0.02 mm/rev and 0.1 mm depth of cut.

For further information
www.sandvik.coromant.com

SELECTION OF QUALITY EX-STOCK CNC AND CONVENTIONAL MACHINE TOOLS



DOOSAN S550L 2 Axis CNC Slant Bed Lathe with Fanuc 21-TB CNC Control. Year 2005. Maximum swing 710mm. Maximum turning dia 550mm. Maximum turned length 1130mm. Spindle speeds 30-2500 rpm. Spindle power 22 kW. Spindle bore 102mm. Bar capacity 88mm. Rapid Feeds X & Z 20 & 26mm/minute. Tailstock taper 0MT. Tool setter. Coolant.



MORGAN RUSHWORTH PBXS CNC 4100/300 Hydraulic Downdroking Pressbrake. Year 2014. Capacity 4100mm x 300 Tons. maximum stroke 320mm. ESA S560 Touch screen controller. Fiesler Elektronik Akas-LC II safety light guards. Machine hours 1105. Tooling.



KURAKI KBM 11X-P Twin Pallet 5 Axis Horizontal Boring & Milling Machine with Fanuc 16-MB Control. Year 2003. Spindle dia. 110mm. Spindle speeds 5 - 3000 rpm. Spindle taper SK50. X/Y/Z/W 150/300/100/100 mm/25/50mm. Full B Axis indexing to 0.001". Rapids XYZ 12mm/min. Rapids W 6mm/min. 60 ATC. Table loading 2,200kgs. Main spindle drive (AC) 18kW.



WEILER E90 CNC Oil Country Lathe with Ejector Drilling System. Siemens 940D Control. Year 2006. Swing over bed 900mm. Swing over cross slide 530mm. Distance between centres 4500mm. Twin Chuck dia 700mm. Spindle bore 62mm. Spindle speeds 1-700 rpm (2 ranges). Kopter 4 way manual tool post. Fused steady 40 - 300mm. Tailstock quill dia. 50mm.



HARRISON M300 x 25" Gap Bed Centre Lathe. Swing Over Bed 13". Swing In Gap 16". Distance Between Centres 25". Travelling Wheelhead. Maximum swing 1,000mm x 3,000mm Between Centres. Spindle Bore 1.5". Spindle Speeds 40 to 2500 RPM. 3 Jaw Chuck. Quick Change Tool Post. Coolant.



HURCO TM6I CNC Lathe with Multifed MV-65 Barfeed. Year 2015. max. cutting diameter (mm) 215. max. cutting length (mm) 318. Chuck diameter (mm) 152. Bar Capacity (mm) 45. X-Axis (mm) 170. Z-Axis (mm) 355. Feeds X/Z Axis (mm) 151/24. Spindle power 13 kW. Torque 113 Nm. Spindle speed 6000 rpm. No. of Turret stations 12.



WOHLBERG B800P Heavy Duty Deep Hole Borer & Trepanning Machine. The "P" version is suitable for boring heavy, asymmetrical or awkwardly shaped workpieces, which cannot rotate. Workpieces of this type are clamped to a T-slotted indexing work table which has the capability of indexing 360 degrees in 4 x 90 degree graduations.



XYZ MINIMILL 560 with Siemens 810 CNC Control. Year 2005. Table 610 x 370mm. XYZ travel 560 x 400 x 500mm. Spindle taper BT40. Spindle Speed 8000rpm. Spindle Power 9.7kW. Rapid Feeds rates 20mm/min. ATC 20 Position. Coolant. Interlocked guards. Low Volt Light. Manuals.



CHURCHILL TWA Roll Grinding Machine with Cambering Attachment. Travelling Wheelhead. Maximum swing 1,000mm x 3,000mm Between Centres. Face Width 5,000mm. Infinitely variable feeds. Maximum wheel diameter 750mm. Wheelhead speeds 420rpm/840rpm. Coolant/Filteration Unit.



GURUTZPE A -1600 CNC Oil Country Lathe with 360mm dia. Spindle Bore. Twin Chucks & Fagor 8055 Control. Year 2008. Centre height 610 mm. Swing over bed 1,200 mm. Swing over cross slide 800 mm. Distance between centres 3,000 mm. Spindle speeds 0 - 480 rpm. Spindle bore 360 mm. Spindle nose A-20.



HURCO TM8I CNC Lathe with Hydrafeed MV65 Barfeed. MAX CNC Control. Year 2013. Max. cutting diameter 256 mm. Max. cutting length 458 mm. Chuck diameter 203 mm. Bar Capacity 52mm. X-Axis 203 mm. Z-Axis 508mm. Feeds XYZ 19/24 mm. Spindle-motor 16 kW. Torque 180 Nm. Spindle speed 0-4800 rpm.



SWIFT 21D Heavy Duty CNC Lathe with Fanuc Oi-TD Control. Overhauled & retrofitted 2012. Swing over bed 42" 1068mm. Swing over saddle 30.5" 774mm. Maximum distance between centres 192" 4878mm. Maximum weight between centres (unsupported) 12 tons. Chuck dia. 41.5" 1054mm. Main spindle dia. 9" 228mm.



HYUNDAI Wia L230LMSA Slant Bed CNC Lathe with C Axis & Driven Tooling. Fanuc 32i. Year 2014. Main spindle Chuck dia. 210mm. Maximum swing 551mm. Turning dia. 305mm. Turning length 520mm. Spindle bore 77.97mm. Bar capacity 68mm. Main spindle 4.000 rpm. Main spindle nose A2-6. 20HP. Sub spindle nose A2-5.



MAZAK Quick Turn Nexus 250-II CNC Lathe. Mazatrol Matrix Nexus Control. Year 2007. Swing over bed 610mm. Swing over carriage 350mm. Distance between centres 1000mm. Max machining length 950mm. X Axis travel 225mm. Z axis travel 1035mm. Spindle speeds 0-4000 rpm. Spindle nose A2-6. Spindle bore 87.5mm. Bar capacity 77mm. Turret 12 positions.



HURCO TM10I Vertical Machining Centre with WinMax Control. Year 2013. Table Size 762 x 366mm. Traverses XYZ 660 x 406 x 508mm. Spindle Speeds 10,000rpm. Spindle Motor Power 11kW. Tool Change Capacity 20 Station. Spindle taper BT40.



WWM Heckert Union BFT110 Table Type Horizontal Borer with Heidehain TNC155. Year 1988. Spindle dia. 110mm. Spindle taper 50 ISO. Spindle travel 800mm. Spindle speeds 5.5 - 1120 rpm. Facing head dia. 800mm. Facing head speeds 4.5 - 224 rpm. Table size 1900mm x 1400mm. Spindle motor 40 kW. X axis 1500mm. Y axis 1000mm.



KEARNS RICHARDS SF125 Table Type Horizontal Boring Machine. Year 1978. Spindle dia. 125mm. Spindle taper 50 ISO. Spindle travel 600mm. Spindle speeds 22-1120 rpm. Facing head dia. 800mm. Facing head speeds 4.5 - 224 rpm. Table size 1900mm x 1800mm. Spindle motor 20 HP. X axis 2100mm. Y axis 1500mm. Z axis 1800mm. Mazutop KA Counter 3 axis Digital Readout. Table outrigger supports.



ASQUITH 4PT 16-7Z Radial Arm Drilling Machine. Year 1977. Spindle speeds 9.5-1560 rpm. Spindle taper 5 MT. Feeds 0.002" - 0.407 rev. (0.052mm - 0.711mm/rev). Coolant. Safety Brake.



HAAS TM-3CE CNC Vertical Machining Centre with 4th Axis Attachment. Year 2008. Table size 1467mm x 368mm. X-Axis travel 1015mm. Y-Axis travel 236mm. Z-Axis travel 402mm. Max table load 454 kgs. Spindle BT 40. Manual tool change.



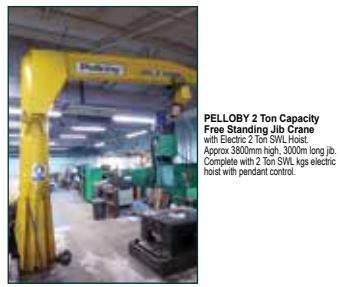
URSVIKEN 400 Tonne Hydraulic C Frame Hydraulic Downdroking Press. Year 1975. Pressure 400 tonnes. Hydraulic pressure (max) 217 Bar. Max daylight between tables 1100 mm. Press stroke 600 mm. Gap 1200 mm. Table dimensions 1200 mm x 1800mm. Platen dimension 700 mm x 800mm. Press Speeds - Approaching gravity 80 mm/s. Pressing 7 mm/s.



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Subcontractor demonstrates steely determination

 Neath-based subcontractor Formagrind has recently won a significant order that has led to the delivery of two Hurco machining centres and new tooling innovations from Mitsubishi Materials.

"The new order was for over 100 complex titanium fixtures that each consist of a carrier base and corresponding top plates which clamp electronic PCB assemblies during their production and final assembly processes," explains managing director Mike Couser.


"Firstly, we needed two new VMCs to give us the additional machine capacity; and secondly we needed consistent lights-out production. This is when Mitsubishi stepped-in with their solid carbide end mills."

"Our tooling spend wasn't truly measured or qualified and we set about using the experience of Mitsubishi to set performance parameters and structures," adds shop floor manager Mike John. "We initially trialled Mitsubishi's face mills with huge success.

Mitsubishi then recognised that our existing aluminium roughing end mills were also under-performing compared with the potential of Mitsubishi tools. They implemented the Alimaster aluminium roughing end mill range on a long term satellite project for a major aerospace customer – the material removal rates were nothing short of brutal. The success of the face mills and Alimaster cutters gave us complete confidence in Mitsubishi tools."

This confidence has seen the subcontractor evolve from an occasional purchaser of Mitsubishi tools to a consignment stock customer with a complete range of solid carbide end mills, indexable end and face mills, a desktop shrink-fit unit and corresponding toolholders, plus back-end tooling. Additionally, an Autocrib vending system to store and automatically re-order tools has been installed. *For further information* www.mitsubishicarbide.com

Triple benefits with drilling system

 Mapal is strengthening its drilling line by introducing the company's new TTD-Tritan Drill, which is said to be the industry's first triple cutting edged replaceable head drilling system.

The TTD Tritan-Drill tool head and toolholder are fixed by a new interlocking Hirth serration system. This connection is said to be extremely stable, so all the benefits and performance of the solid carbide equivalent can be achieved with the replaceable head variant. According to Mapal, the new drilling line can be used reliably and with stability, even in difficult drilling applications such



as inclined bore or cross-bore drilling. The tool is centred via its pronounced drill tip.

Mapal says that the new TTD-Tritan Drill incurs lower customer costs by limiting the need for costly carbide. Furthermore,

the TTD-Tritan Drill reduces changeover times by enabling on-machine tip changes that also retain consistent precision performance.

The three cutting edges ensure a homogeneous load

on the connection, so the forces applied during machining are transmitted uniformly through the steel toolholder. In addition, the connection is said to guarantee optimum torque transmission and radial run-out accuracy.

Initially developed as a 'universal variant', the TTD-Tritan Drill is suitable for machining cast iron, stainless steel and carbon steels. Available in diameters from 12 to 32 mm in 0.5 mm increments, Mapal has also extended diameters for drilling up to 45 mm.

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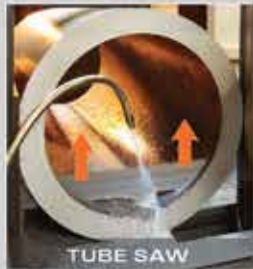
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Stellar performance on aerospace parts

 Most shops evaluate new cutting tools in an effort to reduce machining time, increase tool life or improve part quality, and sometimes all three. Stellar Precision Components, a tier two aerospace supplier based in Jeanette, Pennsylvania, did it for an entirely different reason. "We'd just taken an order for some Inconel parts," says production manager Edward Frieze. "None of us were really worried at that point

about tool life – our only concern then was how the heck we could get them shipped in eight weeks."

The raw material blanks for the job measured 457 x 457 x 76 mm and weighed nearly 134 kg each. As a result, the problem was one of raw material removal: when finished, the Inconel plates weighed in at 13.6 kg, 90% lighter than their starting weight. Frieze knew there weren't enough hours in the day to remove that much material using

conventional carbide tooling, not if he was going to meet the deadline. He needed a better solution.

The company turned to Kennametal's series of four- and six-flute ceramic end mills. Constructed of SiAlON KYS40 grade ceramic and designed specifically for roughing in nickel-based high temperature alloys, these end mills claim to out-produce carbide by up to 20 times.

"The tools aren't inexpensive,"

says Frieze. "At one point, we had around \$20,000 worth of end mills sitting in the office and we were starting to question the investment. But once you calculated in the machine costs and reduced cycle time, we figured it was three to four times more cost-effective to go this route. The process was so predictable we were able to run lights out. It was a drastic saving."

For further information
www.kennametal.com

Cutters boost aero parts machining

 To ensure that the most efficient, cost-effective cutting tools are designed and made available to the global aerospace manufacturing industry, Iscar's aerospace industry manager remains in constant communication with all of the major sub-sectors involved. Continual technical liaison allows Iscar's R&D department to remain aware of all relevant trends in areas such as material developments and machine tool innovations.

Typical of the challenges shared with Iscar were those related to the difficulties encountered when machining

Ni-based and titanium alloys that feature high hardness values of 40-47 HRC.

Iscar says that the answer to the problems of machining these materials can now be found in the company's newly launched IC804 grade, and the extension of its uncoated IC4 inserts.

As the continuing trend is towards ever harder parts, IC804 and IC4 provides users with substantial improvements regarding tool life and the application of higher cutting speeds, says Iscar. They also offer advantages when machining more conventional Ni-based and



titanium alloys in stable machining conditions.

Iscar's IC804 features a hard sub-micron substrate with an AlTiN PVD coating and a special post-

coating treatment that provides improved tool life and reliability. In addition, uncoated IC4 standard Iscar products are suitable for the machining of titanium alloys and aluminium alloys with a high silicon content. Both IC4 and IC804 feature high hardness, especially suited to hard nickel based and titanium alloys.

Shared features include high flaking and chipping resistance, the continuous turning ability of nickel-based super alloys at stable conditions and the delivery of reliable and repeatable results.

For further information
www.iscar.co.uk

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Dah Lih MCV-720

CNC Vertical Machining Centre

Installed: 2007, Fanuc 0i-MC, table size: 950mm x 560mm, X = 720mm, Y = 460mm, Z = 510mm, spindle speed: 8,000rpm.



Dah Lih MCV-720

CNC Vertical Machining Centre with 4th Axis Rotary Table

Installed: 2005, Fanuc 0i-MB, table size 950mm x 560mm, X = 720mm, Y = 460mm, Z = 510mm, spindle speed: 8,000rpm.



Dah Lih MCV-510

Vertical Machining Centre

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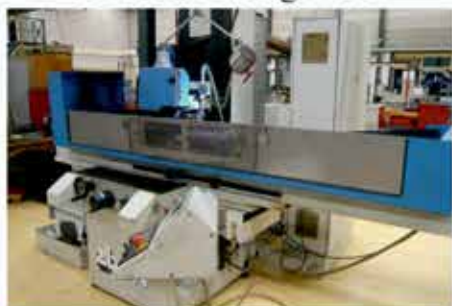
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Zayer MFU 10.000

Control: HeidenhainTNC 155
 Table: 10.000 x 1.200 mm
 X/Y/Z: 8.300/1.500/2.500 mm
 Revolutions.: 28 - 1800 RPM
 Stock nr.: frees463

CNC Boringmill



Wotan Rapid 5C

Control: Heidenhain iTNC 530
 X/Y/Z/W: 10.000/3.800/700/700 mm
 Spindle diam. : 160 mm ϕ
 Rapid feeds: 5 mtr/min
 Stock nr.: kot142

CNC VTL



GTC-20090

Control: Siemens 810D
 Chuck diam: 1.600 mm ϕ
 Max. swing: 2.000 mm ϕ
 Turningheight: 1.600 mm
 Stock nr.: draai612

CNC VTL



Dorries VCE 2400/220

Control: Siemens Sinumerik 840C
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 Chuck diam.: 2.200 mm ϕ
 With C-axes and milling attachment
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Duplo Standard Diamant 30 BI

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MAZAK VTC 300 C-II
Vertical Machining Centre

Table size 2000 x 760 mm
X-Y-Z 1740 x 760 x 660 mm
Spindle speed 12.000 Rpm
Mazatrol Fusion 640 M



MAZAK Integrex E 800-II V
Turning Milling centre

Max turning ϕ 730 x 1000 mm
Spindle speed turning 1000,Rpm
Milling 12000 Rpm with 6 pallets
Mazak Matrix control



MAZAK Integrex E-410 H-II
Turning Milling Centre

Max. machining ϕ 660mm.
Turning length: 3060 mm
RPM Turning 3000/ Milling 12000
Mazatrol Matrix control



MAZAK Multiplex 630
Turning Centre

Max. machining ϕ 260 mm.
Turning length: 225 mm
Spindle bore 77 mm.
Mazatrol T Plus control



MAZAK FH 580-40
Horizontal Machining Center

Table / Pallet 500x500 mm
Spindle speed 12000 RPM
Number of Tables / Pallets 6
Mazatrol M-Plus control



MAZAK H 415
Horizontal Machining Center

Pallet size 400 x 400 mm—6PC
X-Y-Z 560 x 510 x 510 mm
Spindle speed 15.000 Rpm
Mazatrol M-Plus control



MAZAK Quick Turn Smart 100S
CNC Lathe

Turning Length 309 mm
Turning Diameter 200 mm
Spindle speed 6000 RPM
Mazatrol Smart control



Mazak Integrex 400 SY
Turning Milling Centre

Max. machining ϕ 610 mm.
Turning length: 1018 mm
RPM Turning 3000/Milling 6000
Mazatrol 640 MT control



MAZAK Super Quick Turn
250 MS Turning Centre

Max. machining ϕ 300mm.
Turning length: 757 mm
Spindle bore 65 mm.
Mazatrol T-Plus control



MAZAK FH 880 PMC
Horizontal Machining Center

Pallet size 800 x 800 mm—14 PC
X-Y-Z 1300 x 1100 x 1000 mm
Spindle speed 7.000 Rpm
Mazatrol M-Plus control



MAZAK Multiplex 620 MK II
Turning Centre

Max. machining ϕ 200 mm.
Turning length: 200 mm
Spindle bore 51 mm.
Mazatrol T Plus control



MAZAK H 400n
Horizontal Machining Center

Pallet size 400 x 400mm
X-Y-Z 560 x 510 x 560 mm
Spindle speed 10000 Rpm
Mazatrol M32 Control



MAZAK V 655-80 2PC
Vertical Machining Center

Pallet size 2240 x 650 mm
X-Y-Z 2000 x 650 x 650 mm
Spindle speed 6.000 Rpm
Mazatrol M-Plus control



MAZAK MTV 414-22 5
5-Face/5 Axis Machining Center

Table / Pallet 900 x 410 mm
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Mazatrol PC Fusion 640 M control

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JUNG 1042-2124
keine Info New In:



chamfer lenght 3050 mm
plate thickness 10 mm
distance between columns 3350 mm

GIRARDS 1042-1695
GR 05/BR 40 x 1250 New In: 1961



konventionell
bore capacity in steel \varnothing 40 mm
arm length 350 - 1310 mm
workpiece height max. 1390 mm

PROKING 1042-2128
SS 27 New In: 2012



Fanuc Oi-TD + Manual Guide
turning diameter 700 ü.Bett mm
turning length 2150 mm
control Fanuc Oi-TD

REICHLÉ & KNÖDLER 1042-2007
New In: 1985



Heidenhain TNC142
x-travel 3000 mm
y-travel 1000 mm
z-travel 650 mm

BURKARDT + WEBER 1042-1551
MC 1 S New In: 1978



CNC Mitsubishi Meldas 500 BJ.2005
y-travel 1800 mm
z-travel 1600 mm
table-size 1250 x 1600 / 360°x 1° mm

KURAKI 1042-2193
KBT 11 DX New In: 1987



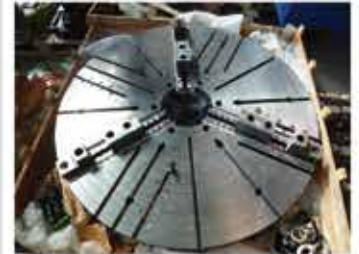
Fanuc CNC
spindle diameter 110 mm
x-travel 1700 mm
y-travel 1250 mm

Doosan 1042-2339
Puma 2600 Y New In: 2012



Fanuc Oi-TD
turning diameter 255 mm
turning length 760 mm
control Fanuc Oi-TD

HANKOOK 1042-2203b
1600 New In: neu



faceplate diameter 1600 mm
flange diameter 100 - 650 dist. 350 mm
weight of the machine ca. t

OKUMA 1042-1897F
MC 60 H New In: 1986



Okuma CNC
x-travel 880 mm
y-travel 850 mm
z-travel 730 mm

UNION CHEMNITZ 1042-2202
T 110 New In: neu



HEIDENHAIN TNC 640
spindle diameter 110 mm
x-travel 2000 mm
y-travel 1600 mm

STANLEY 1042-1839
New In: 1973



konventionell
faceplate diameter 1400 mm
turning diameter over slide rest 1000 mm
turning length 2400 mm

LINDNER 1042-1943
GX900 New In: 1982



Semiautomatic
grinding wheel \varnothing 350 mm
max. width of grinding wheel 40 mm
grinding table: swivable 25°

STAMA 1042-2018
MC 540 New In: 1999



Siemens Sinumerik 840D
x-travel 4000 mm
y-travel 560 mm
z-travel 550 mm

STYLE 1042-1985
510 Series New In: 2006



Style CNC
turning diameter 510 mm
turning length 2000 mm
control Style CNC

ZERBST 1042-1113
DP 1 / S 3 x 5000 New In: 1982



konventionell
turning length 5000 mm
bed length 6300 mm
faceplate diameter 1250 mm

MORARA 1042-1977
EA 700 CNC New In: 1985



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grinding diameter 360 außen max. mm
grinding length 1.000 mm
centre height 181 mm

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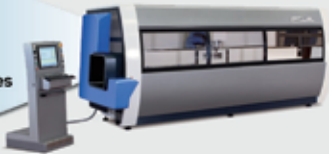
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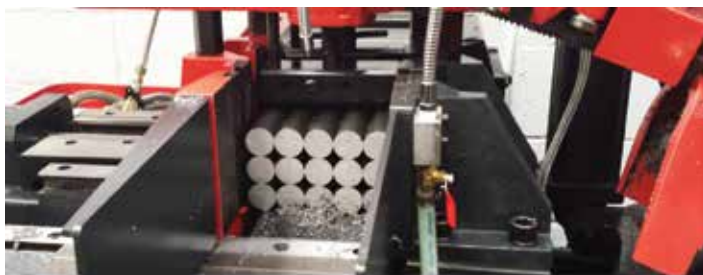
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PEARSON 2.5m x 16mm
hydraulic shear, PBG, BGA



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- Mitre Cut Band Saw
- x36 Station Marking Unit



Ficep P1104P – CNC Plate Punching System – Year 2007 (STK-1339)

- 110 Ton Punching Capacity
- 25mm Max Plate Thickness
- 3 Station Tool Magazine
- 46mm Maximum Punch Diameter
- 800mm Max Plate Width
- X Unlimited Length Plate



Ficep A152 – CNC Angle Processing Line – Year 2003 (STK-1324)

- 12m Angle – 150mm
- Upright Leg Punching
- Material Loading Device
- Marking Unit



Ficep Victory 11 – CNC Drilling Line – Year 2007 (STK-1338)

- 18m Section Capacity
- 980mm Section Height
- Single Spindle Drilling
- Hydraulic Hold-down units
- Drill Coolant System
- Quick Change Drill Spindle



Machine Ref.	Manufacturer	Model	Year	Description	Availability	Category
USSM-STK-1295	Ficep	903 DNB	1999	CNC Drill/Saw Line (18m/18m) Cross/Transfers	In-Stock	Beams/Sections
USSM-STK-1338	Ficep	Victory 11	2007	CNC Drilling Line (18m)	In-Stock	Beams/Sections
USSM-STK-1339	Ficep	P1104	2007	CNC Plate Punch/Drill Machine	In-Stock	Plates Punch/Drill
USSM-STK-1274	Ficep	P803A	2004	CNC Plate Punch/Drill Machine	In-Stock	Plates Punch
USSM-STK-1324	Ficep	A152	2003	CNC Angle Punch/Shear Line	In-Stock	Angle Sections
USSM-STK-1291	Ficep	1001 DX	2003	CNC Drilling Line (15m)	In-Stock	Beams/Sections
USSM-STK-1291	Ficep	PM 1000	1999	CNC Drilling Line (15m)	In-Stock	Beams/Sections
USSM-STK-1293	Ficep	Tipo D8	2004	CNC Plate/Angle Punch & Shear Line	Ex-Site	Plates/Angles
USSM-STK-1329	Gietart	GW 1500	2002	Section Blasting Line	Ex-Site	Beams/Sections
USSM-STK-1301	Kaltenbach	WBZ 1500	1999	CNC Plate Drill/Profile Machine	Ex-Site	Plates Drill/Profile
USSM-STK-1268	Ficep	1004 DZTT	2004	CNC Plasma/Gas Coping Line (18m)	Ex-Site	Beams/Sections
USSM-STK-1283	Ficep	1101 DZB	2005	CNC Drill/Saw Line (18m/16m)	Ex-Site	Beams/Sections
USSM-STK-1330	Ficep	1203 DB	2001	CNC Drill/Saw Line (18m/18m) Cross/Transfers	Ex-Site	Beams/Sections
USSM-STK-1355	Ficep	1003 DZB	2003	CNC Drill/Saw Line (22m/18m) Cross/Transfers	Ex-Site	Beams/Sections
USSM-STK-1356	Ficep	F504 / 8 PS (+Drill)	1999	CNC Plate/Angle Punch & Shear Line	Ex-Site	Plates/Angles
USSM-STK-1357	Geka	Alpha 500 / 150 MC	2013	CNC Plate Punch & Shear Line	Ex-Site	Plates Punch
USSM-STK-1358	Voortman	V630 / Sabi Saw	2003	CNC Drill/Saw Line (18m/18m) Cross/Transfers	Ex-Site	Beams/Sections
USSM-STK-1359	ESAB Suparex	SXE-HD4000	2013	12M X 3M - Hypertherm HPR 130 Plasma	Ex-Site	Plates / Profile
USSM-STK-1360	ESAB Combirex	DX-3500	2007	12M X 3M - Precision Plasmarc 20B.	Ex-Site	Plates / Profile
USSM-STK-1361	ESAB Suparex	SXE-P3500	2007	10M X 2.5M - Hypertherm HPR 260 Plasma	Ex-Site	Plates / Profile
USSM-STK-1362	Valmar	Side Loader	2007	Side Loader Fork Lift - 4.5T - 4.0M	Ex-Site	Material Handling
USSM-STK-1353	MMW	4013 / 4020 Shear	NEW	4M - 13MM or 20MM Shear	8 Weeks	Plates / Shearing
USSM-STK-1363	Ficep	Tipo B251	2008	CNC Plate Punch/Plasma/Drill Machine	Ex-Site	Plates Profiling
USSM-STK-1369	Kaltenbach	KF 1501	2002	CNC Plate Plasma / Drill Machine	Ex-Site	Plates Profiling

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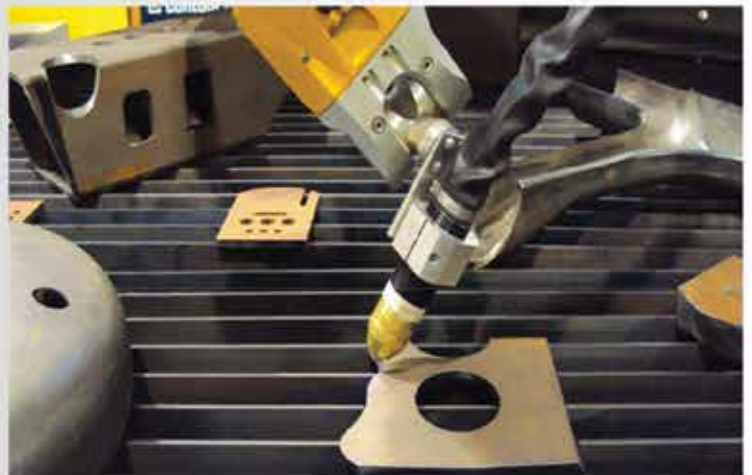
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One of the following makes: Amada, Ermaksan, Gasparini, LVD, Durma 1250mm or 1000mm, Ready to use, pressure should be 25 or 30 or 35 Tons. CNC or NC 4 or 6 axis. AMADA type tools, be able to operate with voltage of 400V (operating voltage in Iran)

DELEM65 or 66 panels, if this panel type doesn't exist, it would be highly appreciated to inform us the type of its panel for checking it according to standards. Manufacture date to be 2008 or after.
Would prefer two phase opening and 200mm.

Email: bob@machinerytradeinternational.com

**WANTED
Laser Cutting Machine
CO² or Fiber**

Bystronic, By-Star Model or By-sprint 3015, By-Vision control, and By Laser Resonator. Power: 2.2 - 4 KW – 2008 Model or after.

The machine must have capability of Rotary and making holes on profile and pipes and it has the capacity to cut stainless steel of minimum 6mm thickness.

Email: bob@machinerytradeinternational.com



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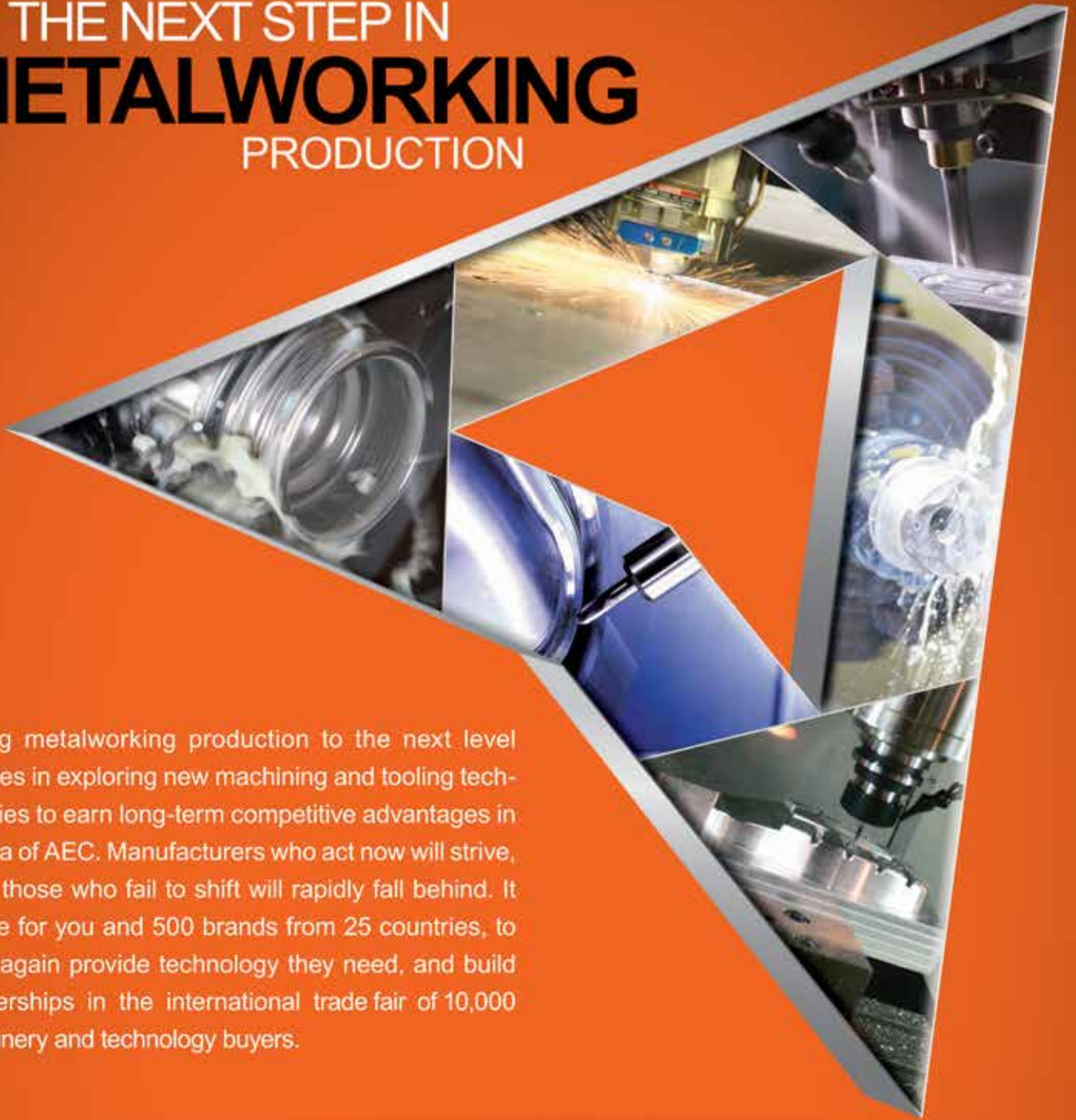
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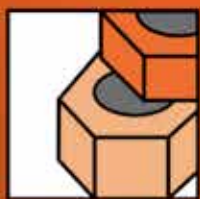
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Online Auction Sale

CNC Lathes, Borers and Milling Machines no longer required by
Michell Bearings, India

Bidding Ends: Wednesday 17th August 2016 at 3.00pm (UK Time) Viewing by Appointment only

Cottrill & Co.
 WORLDWIDE ASSET DISPOSALS

- **Ward 7D** Lathe with Digital Readout, 406mm Swing over Bed, 368mm over Carriage, 241mm over Cross Slide, Max. Turning Diameter: 340mm, 1099mm between Centres, 1,000 rpm Spindle Speeds, 7.5 Kw, 250mm diameter Chuck (1985)
- **Ward Model 10** Lathe with Digital Readout, 737mm Swing over Bed, 546mm over Cross Slide, Max. Turning Diameter: 700mm, 1626mm between Centres, 16 - 436 rpm Spindle Speeds, 15 kW, 510mm Chuck (1982)
- **HMT FN2V-1** Universal Vertical Milling Machine with Digital Readout, Table Size: 1350 x 310mm, X = 800mm, Y = 265mm, Z = 400mm, ISO 40 Spindle (1998)
- **Webster & Bennett 54"** Elevating Rail Vertical Turning & Boring Machine, 54" dia Chuck, Table Speed: 8.4 to 187rpm, Max. Height under Cross Slide: 26", Max. Height under Turret: 48" (1971)
- **Keams Richards SH75** Horizontal Borer, Table type HBM, 75mm ISO 40 Spindle, 500mm Spindle Travel, 5.6 to 1,120rpm, 1000 x 1000mm 4-Position Rotary Table, 1000mm Long Traverse, 1250mm Cross Traverse, Max. Weight on Table: 2,000kg, 610mm dia Facing Head, Facing Head Speeds to 280rpm, 7.5 kw Spindle Motor, Pendant Control, Digital Readout, Spindle Support, Ancillary Rotary Table



For Full Information please visit our Website: www.cottandco.com

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- Email: info@cottandco.com ▪ Website: www.cottandco.com ▪

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Online Auction Sale

Conventional Equipment, Ancillaries and Tooling
 no longer required by **CMP & Others**

Bidding Ends: Tuesday 23rd August 2016 at 3.00pm (UK Time) Viewing by Appointment only

Cottrill & Co.
 WORLDWIDE ASSET DISPOSALS

- **Boko F30** Milling Machine
- **Union BFT 80/2** Horizontal Boring & Milling Machine
- **Poreba TPK 80/2m** Gap Bed Centre Lathe
- **Tarnow** Gap Bed Centre Lathe
- **Smart & Brown** Centre Lathe
- **Britan** Capstan Lathe with Barfeed
- **Astra** Model TCS-610 Tool & Cutter Grinder
- **Myford** HA Plain Cylindrical Grinder
- **Delapena** Speed Hone
- **HME** Inclined 30-Ton, Adjustable Stroke Power Press
- **OPTI** DBS 75 75mm wide Belt Linisher
- **Sealey** Bead Blast Cabinet
- **Semco** Turret Mill
- **Oldak** Tapping Machine
- **AJH 6"** Bench Linisher
- **Mechanical** Hacksaw
- **Draper 6"** Bench Mounted D/Ended Grinder
- **Milford** Double Ended Grinders
- **Astra** Type IMM118 Bench Drill
- **Ferranti** Surfcom Surface Tester
- **Qty** BT 40, CAT 40 & BT 30 Tooling
- **Qty** Machine Vices, Collet Chucks, Collets, Boring Heads, Drills, Clamps, Chucks, Taps.
- **Ingersoll Rand** Type 30, Model 15T Triple Cylinder Air Compressor/Receiver
- **Cyclon** 105 Compair Compressor, Air Cylinder & Model DB10 Dryer
- **Clarke** Ranger Compressor
- **Airmaster** Compressor
- **Walker** Model 230 MFD Air Filtration Unit
- **SIP** 140 Arc Welder
- **Sealey** Mighty Mig 130XT MK11 Turbo, 240V
- **Murex** 230 Mig Welder
- Plus many more items



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Online Auction Sale

Bystronic Byspeed 3015 440W CNC Laser Cutting System

Bidding Ends: Wednesday 24th August 2016 at 3.00pm (UK Time) Viewing by Appointment only



• **Bystronic Byspeed 3015 4400W CNC Laser Cutting System** with Cooling Unit and Dust Collector. Sheet Size: 1500 x 3000mm, Laser Power: 4400W, Max. Cutting Thickness: Steel – 25mm, Stainless Steel – 20mm, Aluminium – 12mm, Machine Dimensions: 13,400 x 5,300 x 2,150mm (h), Weight: 20,000kgs (2006)

This machine has been serviced twice yearly by Bystronic Service Contract



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Online Auction Sale

Fabrication, Welding and Associated Equipment no longer required in the Ongoing Business of Process Combustion (Harrogate)

Bidding Ends: Thursday 25th August 2016 at 3.00pm (UK Time) Viewing by Appointment only



- **Scottish Machine Tool Co** 12' x 5/8" Guillotine
- **Crefco** 3000 x 3.2mm M/Steel Guillotine
- **Keetona** HUF Folder, 125" x 14G,
- **Waltons** BPFM120-14P 14swg Folder,
- **Kingsland** J21X4 Power Metal Worker
- **Bianco** 330SA Semi Automatic Bandsaw
- **TJ Utting** UB254 Bandsaw
- **Pittsburg** Sheet Metal Forming Machine
- Hand Rollers
- Hand Guillotine
- **Colchester** Triumph 2000 Gap Bed Lathe
- **Excel** GRB-203 Pedestal Grinder
- **Rigid** 300 Threading Machine
- **JetAir** ST/ST Type VM42 Shot Blaster.
- **Lincoln** Electric 355-GRV6 Tig Welding Set
- **MIG** 425 Mig Welding Set
- **Cebora** 525 Mig Welding Sets
- **Murex** Transmig 300 Mig Welding Set
- **Lincoln** Powertec 420S Mig Welding Sets
- **Kempi** Promig 530 Mig Welding Set
- **Cebora** Migstar 450S Mig Welding Set
- **SWF** F40-400S Mig Welding Set.
- **Arc System** 7510A Stud Welder
- **Cebora** Plasma Prof 92 Plasma Cutter
- **SMOG-Eater** Industrial Electrostatic Air Filter
- Qty Welding Screens
- Qty of Lifting Equipment
- **Eclipse** Magnetic Lift, Capacity: 1,000kg
- **Makita & Evolution** Saws
- **Clarke** Strong Arm Pipe Benders – 12-Ton
- **Enerpac** Hi-Press Hydraulic Jack
- **Airbor** Model 9052UK Magnetic Air Drill
- Qty Vices, Electrical Hand Tools, Bottle Trolleys, Lockers
- **Abus** 5-Ton, 10-Ton & 16-Ton Cranes



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Online Auction Sale Gildemeister, Tornos-Bechler, Mori Seiki CNC and Sliding Head Lathes



Bidding Ends: Tuesday 6th September 2016 at 3.00pm (UK Time) Viewing by Appointment only

- **Gildemeister** Sprint 32 Linear CNC Sliding Head Machine with GE Fanuc Series 160i-B Control, Parts Head, Parts Conveyor, (2) Collet Chucks, Swarf Conveyor, Tooling and lemca Boss 545-E Type 32L Barfeed (2003)
- **Gildemeister** Twin 42 CNC Sliding Head Machine with Siemens Sinumerik Control, Collet Chucks, (2) 12-Station Turrets, Live Tooling, Parts Remover, Conveyor Belt & Swarf Conveyor & Breuning Ircos Simag Type 42.1R Barfeed (2002)
- **Tornos-Bechler** Deco 2000/13 CNC Sliding Head Machine with Tornos Bechler Fanuc PNC Deco Control & Model SSF226 Barfeed (2000)
- **Mori Seiki** SL35B CNC Lathe with Mori T5F Control, 1500mm between Centres, 10 Station Turret, 12" Chuck, Swarf Conveyor & SMW SLK 520 Hydraulic Steady Rest



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WORLDWIDE ASSET DISPOSALS

K2
JOINERY

K2 Joinery, established 20 years ago and a manufacturer of anything in wood to the highest standard with quality materials, has machinery for sale due to closure.

Auction Ends: Thursday 8th September 2016 – 3pm BST
Viewing by Appointment only Machinery Location: Dudley
Contact 1st Machinery Auction on 02476 992205

Sedgwick SM 255-T Tilting Spindle Moulder (extensive Collection of Heads and Cutters)

Spindle Moulder UTIS T550 + Some Tooling

Wadkin Wide Belt Sander 900mm SAHARA DW25A



Thicknesser UTIS R50 510mm (1989)

Guilliet KXY 220 4 Sided Planer (2003)

Robland Z 3200 Panel Saw



- Utis Surface Planer D40
- Wadkin Cross Cut Saw
- Cooksley Rip Saw LT. 20"
- Sedgwick Twin Head Tenoner + Good Selection of Tooling
- Wadkin Mortiser MA up to 11" x 9" Timber
- Wilson Band Saw 30 DNK
- Band Saw Centauro SP 400 Year 2002
- Axminster AWBRD Radial Bench Drill 700122

- REXON RDM-30A 240v Bench Drill
- Single Bag Dust Extractor Unit DCE 2hp 3 Phase
- Three Bag Dust Extractor Unit
- Portable Dust Extractor Unit 240 V0it
- 2 x 240v Bench Grinders
- 2 x Treadle Corner Notchers
- Dewalt DW707 Sliding Chop Saw
- Four Bag Dust Extractor Unit
- Clarke 6" Portable Bandsaw
- Clarke 1/2" Drill Press
- ELU Chop Saw

- Power Tools including Sanders, Routers, Chainsaws, Nail guns, Planers, Drills and More
- 4 x Mobile Extraction Units
- Flex VC2S LMC Vacuum Cleaner S/N: 003400/2011
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- 4 x Selection of Large Sash Clamps
- 4 x Record Bench Vices
- RPR 400 Record Adjustable Roller
- Consumables

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22nd September

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Tos Gap Bed Lathe

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- Hyster Fork Lift Truck
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- 4 x Churchill Grinders
- Herald Large Internal Grinder
- Tos Gap Bed Lathe
- Tos Horizontal Borer
- Newall Milling Machine
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- Hydraulic Bar Straightener
- Cytringan Welder (220,415,440V)
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- 20 Draw unit of Various Tooling
- Large Selection of Morse Taper Adapters
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- Large Selection of Morse Taper Drills
- Selection of Various Jacobs Chucks
- Various Sets of Clamps
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- Nissan Cabstar MWB Pickup, 04'04
- Fiat Scudo L1 Van, 08



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Cell with Welding Robots
AWL ZM-L 2 + 3
Year of production: 2003
CNC OTC DAIHEN EX-C
Number of robots in cell: 3 pcs. OTC ALMEGA EX-V6
Range of axis:
J1: 340°, J2: 245°
J3: 360°, J4: 360°
J5: 280°, J6: 720°



Cell with Welding Robots
MOTOMAN YR-UP6-A00
Year of production: 2004/2005
CNC MOTOMAN XRC
Number of robots in cell: 2 pcs.
Axis range: S: +/-170°
L: +155 -90°
U: +190 -170°
R: +/-180°
B: +225° -45°, T: +/-360°



CNC Press Brake
PROMECAM STPC 204
Year of production: 1985
CNC CYBELEC DNC 7000
Thrust: 200 ton
Bending length: 4 100 mm



CNC Bending Center
SALVAGNINI PerformER
Year of production: 2007
CNC
Max sheet thickness: 2 mm
Max dimensions of sheet metal: 2 000 x 1 524 mm



CNC Laser Cutting Machine
FINN - POWER FPL 6-A
Year of production: 2003
Resonator re conditioned in 2015
CNC SIEMENS SINUMERIK 840 D
Laser Cutting Range: 3000 x 1500 mm
Laser power: 3,5 kW



CNC Laser Cutting Machine
TRUMPF TRUMATIC L4030
2 exchangeable tables
Year of production: 1999
CNC SIEMENS
Laser power: 3 000 W
Table: 4 000 x 2 000 mm



CNC Laser Cutting Machine
LVD IMPULS 6020
2 exchangeable tables
Year of production: 1996
CNC FANUC 160i-C
Laser power: 3 000 W
Table: 6 250 x 2 050 mm

~~45 000 EUR~~ **35 000 EUR**



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AFM FABTEK MK 13-31
Year of production: 2000
NC FABTEK
Cutting thickness: 13 mm
Cutting length: 3 100 mm

~~22 500 EUR~~ **19 000 EUR**

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**CNC Horizontal
Machining Center
TOSHIBA
BMC 800**
2-pallet
Year of production:
2001
CNC TOSNUC 888
X: 1 600 mm
Y: 1 250 mm
Z: 1 000 mm



**5
AXIS**

**CNC Vertical
Machining Center
MIKRON
UCP 600**
Year of production:
2005
**CNC HEIDENHAIN
iTNC 530**
X: 530 mm
Y: 450 mm
Z: 450 mm
B: -115° +30°
C: 360°



**4
AXIS**

**CNC Vertical
Machining Center
STAMA
MC 540**
Year of production:
1996
CNC SIEMENS 840C
X: 4 000 mm
Y: 550 mm
Z: 550 mm

~~31 000 EUR~~ **19 900 EUR**



**CNC Vertical
Machining Center
HARTFORD
VMC 3060
SG**
index head
Year of production:
2002
CNC FANUC 18 MC
X: 3 060 mm
Y: 800 mm
Z: 620 mm

~~62 000 EUR~~ **49 000 EUR**



**CNC Lathe
MICRO CUT
BNC 2680
XXL**
ocular, tailstock
Year of production:
2007
CNC FAGOR
Turning diameter
over bed: 650 mm
Turning length:
2 000 mm

**NEW
IN
STOCK**



**CNC Slant Bed Lathe
SAMSUNG PL
35MC/1500**
driven tools
Year of production:
2012
CNC FANUC 0I-TD
Swing over bed:
680 mm
Distance between
columns: 1500 mm
Bore diameter: 91 mm
Spindle speeds:
2500 rpm



**CNC Vertical Lathe
DOOSAN PUMA VT 450**
Year of production: 2008
CNC FANUC
Max turning diameter: 450 mm
Max turning height: 450 mm



**Boring Machine
JUARISTI
MDR
130 CM**
Machine
modernization:
2005
**digital readouts
HEIDENHAIN**
X: 10 000 mm
Y: 2 730 mm
Z: 920 mm
W: 850 mm

~~72 000 EUR~~ **59 000 EUR**

Our full offer available on: www.inter-plast.com.pl

Phone: 0048 34 362 79 09 Mobile: 0048 663 958 005 Email: zuzanna@inter-plast.com.pl

Shoulder Milling Like Never Before!

WNT MASTERTOOL
PERFORMANCE

90° x 8 Cutting edges + Dragonskin
= 100 % More Power

Double-sided 90°
Milling System 4910

For machining of



Steel



Stainless steel



Cast iron



TOTAL TOOLING = QUALITY x SERVICE²

