



Krauss Machine

RWS 100B



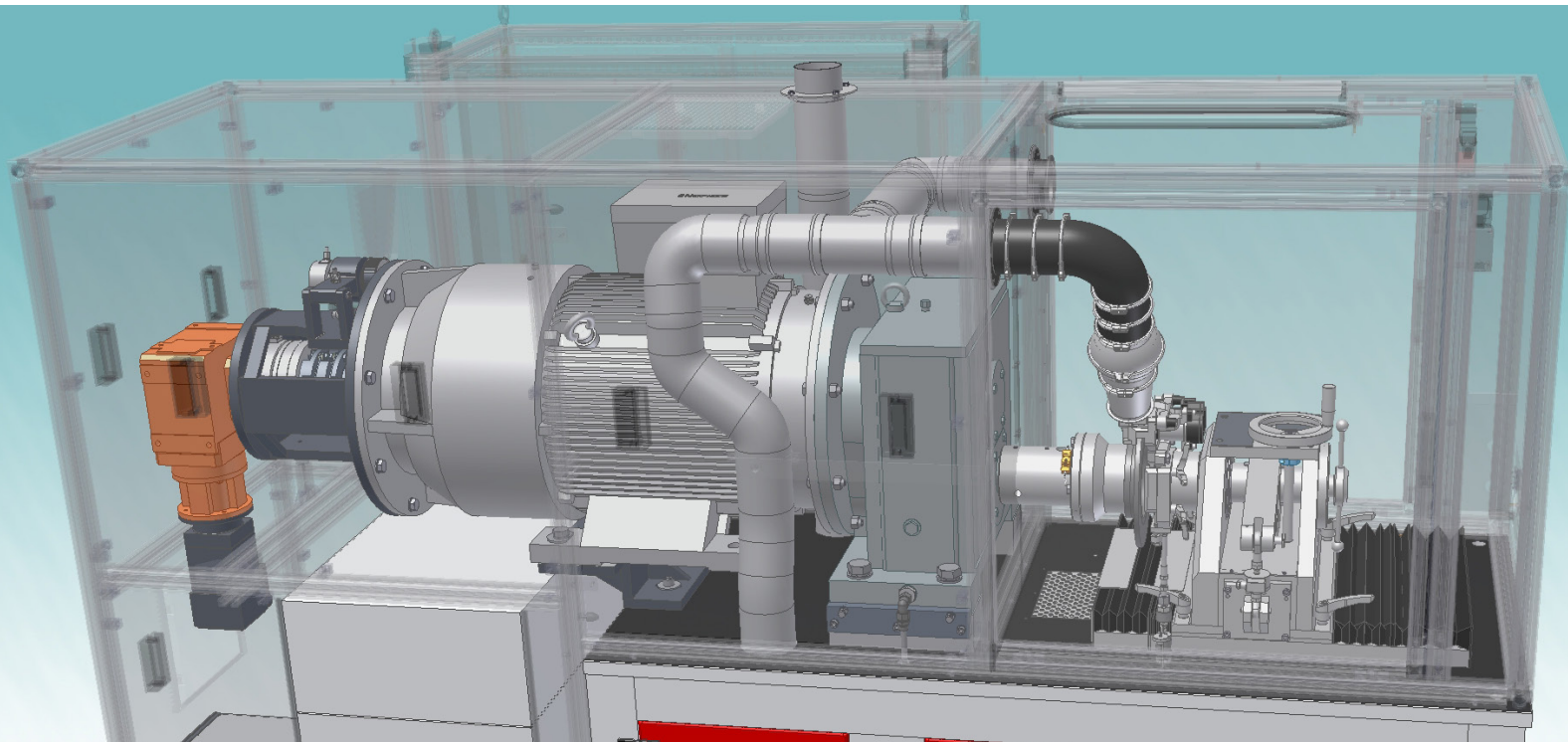
LINK



Krauss®



Krauss Machine



Product Overview

The Krauss machine (RWS100B) is designed and engineered exclusively for quality control (QC) of friction material. It can also be used as an additional tool in R&D to measure the friction values, verify the temperature behavior and determine the wear at the following material, for example full size disc brake pads, full size drum brake lining, clutch material etc.

The controls enable close correlation with existing test protocols. The ProLINK software package offers manual operator control, or fully automatic unattended operation. The operator can select test parameters, control modes, display data, monitor test functions and execute desired test sequences.

In November 2017, Link Engineering Company acquired the Krauss product line and brand. Going forward, LINK will be offering the Krauss product line of test equipment for friction material performance, quality control, and wear measurement. As an industry leader in brake testing and support, LINK's knowledge and experience will be leveraged to move the Krauss product line forward.



Test Procedures

- Full size disc brake pads for passenger vehicles (PV) for OE suppliers as per recommendation VDA285-1
- Full size disc brake pads for PV for the aftermarket as per ECE R90 Annex9
- Full size drum brake linings QC test as per P-VW3211.
- QC finger printing for commercial vehicles (CV) as per ECE R90 Annex9
- GB/T 34007-2017
- Finger printing of clutch material.
- Finger printing of friction material for railway blocks
- Finger printing of industrial friction material for lifts etc.

Main Subsystems

- 75 kW AC – main drive motor with gearbox
- Fixed speed at 660 rpm
- Slipping device for two rotating thermocouples
- Cooling air system
- Air/Brake fluid apply system
- Load cell/arm torque measurement system
- Control console
- Tailstock

Options

- Variable speed drive up to 1,000 rpm and bi-directional rotation
- Static torque system (only in combination with variable drive speed)
- Telemetry system
- Brake fixture
- Custom color
- Air exchanger for air cooling system - cooling tower

SPECIFICATIONS

| Technical Data - Test station | | |
|-------------------------------|----------|---|
| Test stations | [#] | 1 |
| Possible type of samples | [-] | full size disc or drum brake material of PV |
| Type of test | [-] | drag tests |
| Using brake type | [-] | Standard : left hand (right hand side - Option) |
| Direction of testing | [-] | CW (CCW - Option) |
| Max. torque measuring range | [Nm] | 1,500 |
| Max drag torque | [Nm] | 1,100 @ 660 rpm |
| Testing speed | [rpm] | 660 (optional 1,000 rpm) |
| Test pressure | [bar] | 0 - 90 @ compressed air 6.5 bar |
| Max. test temperature | [°C] | 800 |
| Cooling air temperature | [°C] | From room temperature to 10 |
| Cooling air flow | [m3/min] | 11 |
| Brake diameter | [mm] | 100 ... 400 |

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