



**Knorr-Bremse Systeme für Schienenfahrzeuge GmbH**

Moosacher Straße 80  
80809 Munich  
Germany  
Phone: +49 89 3547-0  
Fax: +49 89 3547-2767  
rail.knorr-bremse.com



 **KNORR-BREMSE**

 **NEW YORK AIR BRAKE**

 **IFE**

 **MERAK**

 **MICROELETTRICA**

 **SELECTRON**

 **KIEPE ELECTRIC**

 **EVAC**

 **ZELSKO**

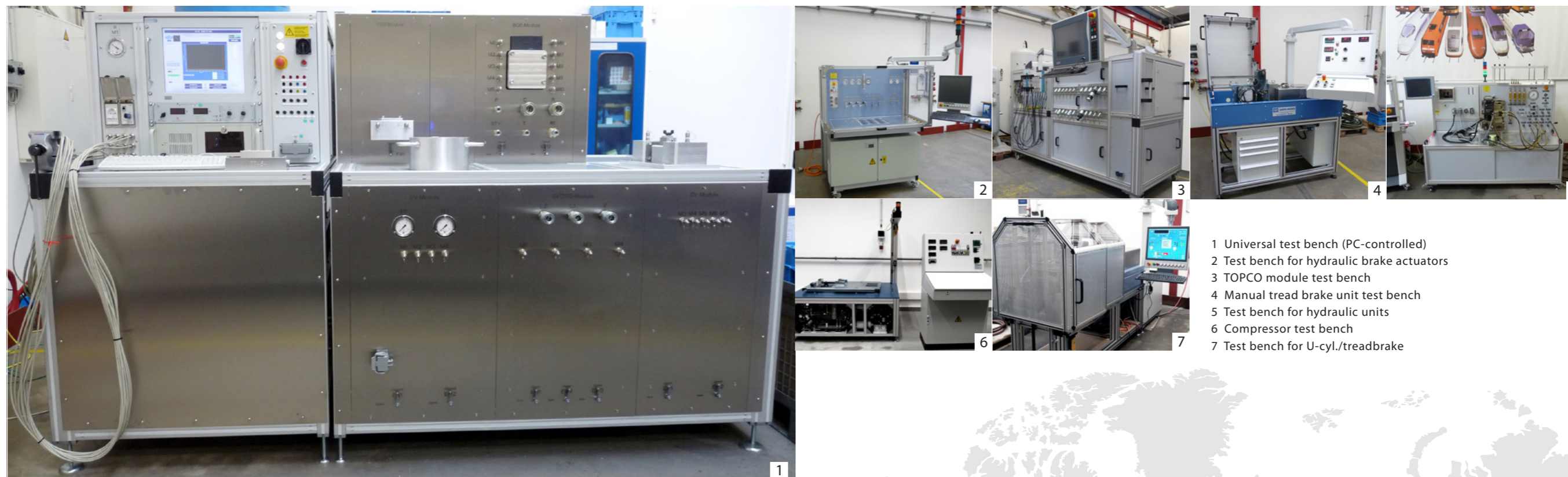
 **RAILSERVICES**

# TEST BENCHES

## APPLICATIONS

Freight Cars | High-Speed Trains | Light Rail Vehicles | Locomotives |  
Metros | Passenger Trains | Regional and Commuter Trains

# Test benches for operational reliability and maintenance



1 Universal test bench (PC-controlled)  
 2 Test bench for hydraulic brake actuators  
 3 TOPCO module test bench  
 4 Manual tread brake unit test bench  
 5 Test bench for hydraulic units  
 6 Compressor test bench  
 7 Test bench for U-cyl./treadbrake

Regular servicing and reconditioning improves the durability and safety of train equipment. Knorr-Bremse test benches, especially developed for the purpose, facilitate maintenance work and ensure component quality and operational reliability.

## Knorr-Bremse test benches

- Special test benches supplied by Knorr-Bremse enable the full range of brake sector products to be tested
- Design and technical configuration of the test benches are based on Knorr-Bremse standards
- The test bench range of functions can be adapted to the specific needs of each customer
- Test benches are available for pneumatic and hydraulic systems:

### Pneumatic systems:

- Compressors and air dryers
- Valves, panels, electropneumatic systems
- Brake cylinders/calipers, tread brake units

### Hydraulic braking systems:

- Electro hydraulic units
- Hydraulic brake actuators (caliper/cylinders)

## Customer benefits

- Knorr-Bremse quality standards ensure high levels of availability and durability
- Testing procedures are always based on internal testing practices and standards
- Commissioning, training and support worldwide, thanks to the Knorr-Bremse service network
- Many years of experience in supplying plant and production equipment

