

GTB Bahntechnik GmbH

Treuenbrietzen site | Germany

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We provide you with safety!

Products and services for PZB safety equipment.

GTB Bahntechnik GmbH is a manufacturer and supplier of components and systems for the PZB/INDUSI train safety system, an inductive point safety system with a 3-frequency design: 500, 1000 and 2000 Hz.

The product portfolio of GTB covers the full range of equipment for PZB rail tracks. Track magnets and special spare parts are available for tractive units. The range of GTB products is used throughout the entire railway network of DB AG, in some cases across national borders and in several European countries. All components and systems have a serial certification from the EBA (Eisenbahn-Bundesamt/Federal Railway Office). Components and systems for the PZB/INDUSI train safety system have been manufactured at the Treuenbrietzen site since 1984. The quality management of GTB is certified according to DIN EN ISO 9001:2008 and the environmental management is certified according to DIN EN ISO 14001:2004 + AC:2009.

As supplier to DB AG, GTB has been assigned the highest quality status Q1. Over 20 years of cooperation with DB AG, GTB has become well-acquainted with the technical requirements and regulations for railways.

In addition to DB AG, other major customers of GTB are Bombardier, THALES and Siemens. Other regular customers of GTB include signal construction companies as service providers to DB AG or to system

Data & facts



Founding year 1996

Revenue ca. € 5 m.

Managing director

Dipl.-Wirtsch. Volker Kempa
Dipl.-Ök. Reiner Sieberhein

Division director

Dipl.-Ing. Timm-Uwe Matthes

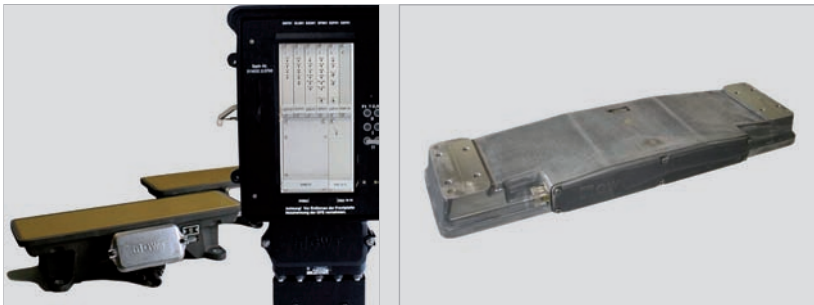
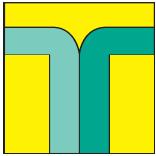
Quality assurance

Certified according to DIN EN ISO 9001:2008
and DIN EN ISO 14001:2004 + AC:2009



www.gtbbahn.de
A member of the Kohl Group AG
www.kohl-gruppe-ag.de

We shape ideas



Speed testing section GPA-PZ 80

Vehicle magnets

Products

Track magnets as influencing points for the point train influencing system PZB/Indusi, 500 Hz, 1000/2000 Hz, mounted directly on the track

Vehicle magnets transmitter and receiver of PZB/Indusi information 500, 1000 and 2000 Hz, which initiate monitoring functions or forced breaking when passing over a track magnet, e.g. attached to the bogie of the traction vehicle

Speed test sensor GPA-PZ80 for checking train speeds relevant to locally permitted limits

Battery power supply for grid-independent supply of speed testing equipment GPE

Solar power supply for grid-independent supply of speed testing equipment GPE

Test gauge for PZB/INDUSI and ZUB with equipment bag for proper installation and testing of the systems PZB/INDUSI and ZUB

Track magnet holder GH4 for attaching track magnets for universal use, i.e., suitable for all track types of Deutsche Bahn AG, two track magnet holders per track magnet

Protective hose for protecting the control cable in the track bed

Installation kit for easy installation of track magnets with the control cable

houses and private railway companies. The GTB also manages planning and project-planning offices. As a development service provider for railway components, GTB makes use of its acquired specific railway expertise, which ranges from design to serial manufacturing, for the benefit of the customer. Mounted circuit boards are installed in their final version and tested; entire assemblies and devices are manufactured. Large manufacturing spaces and sophisticated testing workplaces, even climate technology for environmental- and stress tests are available to GTB for the production and testing of components and systems for PZB safety equipment.

Range of services

PZB/Indusi safety technology

- Speed testing equipment
- Track and switching magnets
- Components for PZB/Indusi vehicle equipment: vehicle magnets
- Accessories: test gauges, track magnet holders, protection hoses, installation kits

Assembly & test services

- Assembly workplaces
- Adhesive workplaces
- Measure- and testing stations
- PU foaming technology

Development service providers

From design to serial production:

- Circuit diagram design
- Layout preparation
- Electrical and mechanical construction
- Prototype construction
- Trial and complex tests
- Temperature tests and Environmental Stress Screening (ESS)
- Certification management

Customers

- DB AG and its subsidiaries
- Systems houses Bombardier, THALES and Siemens
- Private railway companies, signal construction companies and railway service providers
- Planning and project-planning offices

Certifications

- Eisenbahn-Bundesamt
- Austrian Railway
- Slovenian Railway
- Dutch Railway



PU foaming technology



Temperature testing station



Electronic manufacturing - system inspection