Hegenscheidt MFD

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Product overview

- Wheel profiling technology
- Wheel diagnosis systems
- Wheel assembly systems
- Back on track systems
- Turnkey wheel maintenance projects

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Wheel profiling technologies

- Wheel profiling technologies

  - **Underfloor wheelset turning** machines are the most versatile and efficient way for a large range of profiling applications. **Precision, reliability and time efficiency** are at the center of Hegenscheidt Machines realisations. Main characteristics are:
    - In addition to wheel profiling, those machines can also realise **brake disks finishing** at the same time.
    - U2000-150 Machine line is especially designed for **Light rail applications** as **tramways** and **Metros** with axis weight up to 18 Tons.
    - U2000-400 CNC-Machine line is designed for machining of both **Light and Heavy rail**.
    - **Mesurement systems** of high precision enables an **automated diagnosis** and **realisation of work** on both wheelset profiles and brake disks for a **time efficient and economically optimised maintenance process.**
    - Two Machines can be organised in **Tandem mode** to operate **mantenance activities on a complete boggie** without dismantling it.

  - **Mobiturn** is a mobile wheelset profiling machine which **can be transported by train or roads**. Once positioned on the railway system of the workshop, the system can be transported to any places where it should be used. Main characteristics:
    - **A wheelset profile and wear mesuring system** are part of the machine.
    - The CNC command can slos **easily be linked with the customer‘s data management system**.

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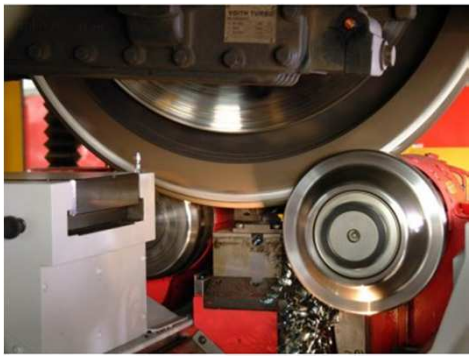
Wheel profiling technologies

Wheel profiling technologies

- **Underfloor wheelset turning**



- **Mobiturn**



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Wheel diagnosis technologies

- **Wheel diagnosis technologies:** Todays needs for **superior security, passenger confort, reliability and higher cruise speeds** makes fast and reliable, state of the art, maintenance system a must. With Hegenscheidt **ARGUS system**, **automated control of wheelset profiles during normal operations** is now possible: Wheelset profiles can be measured in a **very economical** way, **documented** and **centrally managed** via a central maintenance database. Furthermore, The modular construction princip of the ARGUS diagnosis system allows us to design a system tailored to our customers exact needs:

  - **Fully automated**, precise and fast measurement process
  - **Optimisation of workshop organisation and logistics** thanks to the exact knowledge of the status of wheelset profiles, **including forecasting of future wear**.
  - **Higher availability of the trains in the network** thanks to **real time monitoring** of wheelset status and forecast of future wear.

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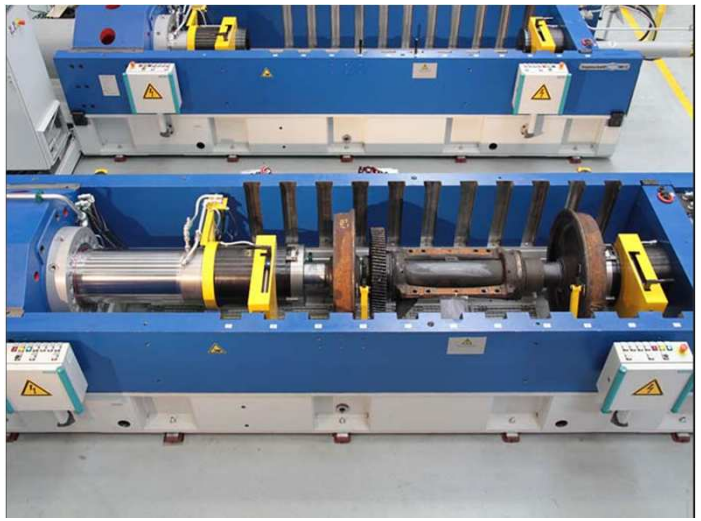
Wheelsets assembly systems

Wheelsets assembly systems

Hegenscheidt- MFD offers a wide range of systems for the assembly and dis-assembly of wheelset systems.

- From a simple one cylinder disassembly press to…
- one and two cylinder system to press both wheels into work conditions up to…
- State of the art assembly press for the simultaneous assembly of both wheels.



Applications range from emergency capacity maintenance workshops up to highly automated wheelset production lines for high production volumes.

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Back-on-track systems

Back-on-track systems

Our Back on track systems are constructed to meet the most modern railway technologies requirements. Design, lifting range, lifting capacity and power range are optimised in a way that with the right instrument mix, **any kind of vehicle can be put back on track** (Tram, Metro, Wagons, Locomotive, rail cars as well as the heaviest Torpedo Pfannenwagen). Main characteristics: **ease of use, reliability and security.**

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Turn key projects

Turnkey wheel maintenance projects

- Wheelset Maintenance systems
  (Also in case of fully automated lines)
- Mechanical work on Wheelset axes
- Mechanical work railway wheels
- Press-assembly of wheelsets

Our focus is on maximization of customer value and reliable high technical performance

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