

Spindle Repair and Replacement Spindles – Professional, Reliable, Swift

Spindle Service



With DMG MORI, You Decide!

We offer both instant help with the immediate fitting of a replacement spindle and cost-efficient spindle repair. With DMG MORI, you decide!

Service with cost advantage – spindle repair from DMG MORI

- You contact DMG MORI
- We quote a fixed price for the repair in advance
- Date arrangement for the removal of your spindle
- Professional removal of your spindle by one of our service engineers
- Repair within 4–5 working days
- Professional fitting of your reconditioned spindle
- Spindle run-in and geometrical check, if necessary

When time is pressing – DMG MORI Replacement Spindle Service

- You contact DMG MORI
- We provide a replacement spindle within 24 hours
- Date arrangement for the fitting of your new spindle
- Professional replacement of the damaged spindle by a new or refurbished one
- Spindle run-in and geometrical check, if necessary

Optional: Upon request, we will gladly provide a price quote or damage report of your spindle problem for insurance purposes.



Starting from **€ 1,549.–**

Spindle Maintenance Kit

Prevent damages to your spindle by regular maintenance. Our spindle maintenance kit includes everything you need: special wrench set, assembly jig, Metaflux paste, cone wiper, mechanical feed force gauge, adapter for the respective clamping system.

- + Professional support for motor spindle maintenance
- + All components in one system
- + Compatible with 4 tool clamping systems
- + Increases the productivity and reliability of your machine
- + Maximum safety for tool interface through stable feed power

Availability:

For the SK40, SK50, HSK 63 and HSK 100 clamping systems.

Reliable and professional –
expertise for spindle repair



Spindle Repair

Professional Repair With Full Cost Control.

With the DMG MORI spindle repair you are always in control of your costs. In most cases, we will provide you with a fixed price at first call. On top of that, professional repair by the manufacturer guarantees maximum production reliability. To stay ahead of your demands, we have further upgraded and expanded our high-tech spindle divisions at our plants in Pfronten and Bielefeld. With the custom spindle repair service from DMG MORI, you are on the safe side. Always.

Custom spindle repair with full cost transparency

Turning

Starting from **€ 4,990.-***

Milling

Starting from **€ 6,490.-***

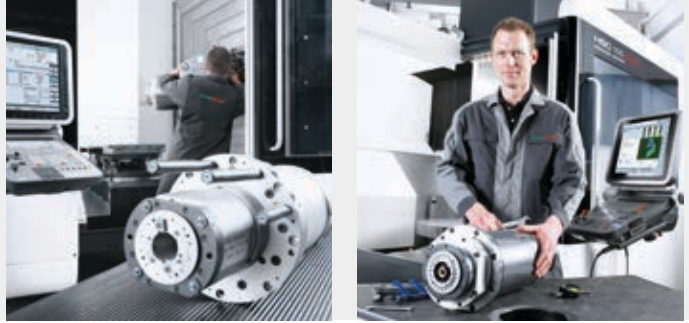
* Excluding services, travel costs and other expenses



Highlights

- + Less expensive than an immediately available motor spindle – guaranteed
- + Full cost transparency
- + New bearing including rotary feedthrough and diagnostic report at the agreed fixed price
- + Exclusive manufacturer expertise and original spare parts for constant production reliability
- + For machines with spindles from the following manufacturers: DECKEL MAHO, KESSLER, MORI SEIKI, GILDEMEISTER Drehmaschinen, GILDEMEISTER Italiana, GRAZIANO Tortona

Shortest possible production downtime with the DMG MORI Replacement Spindle Service



Replacement Spindle Service

Swift and Safe Solutions – Shortest Possible Machine Downtime.

In the event of a spindle damage, we will help you quickly and reliably. With the immediate fitting of a replacement spindle by a DMG MORI service engineer, you minimise machine downtime and continue to produce with the same high level of quality.



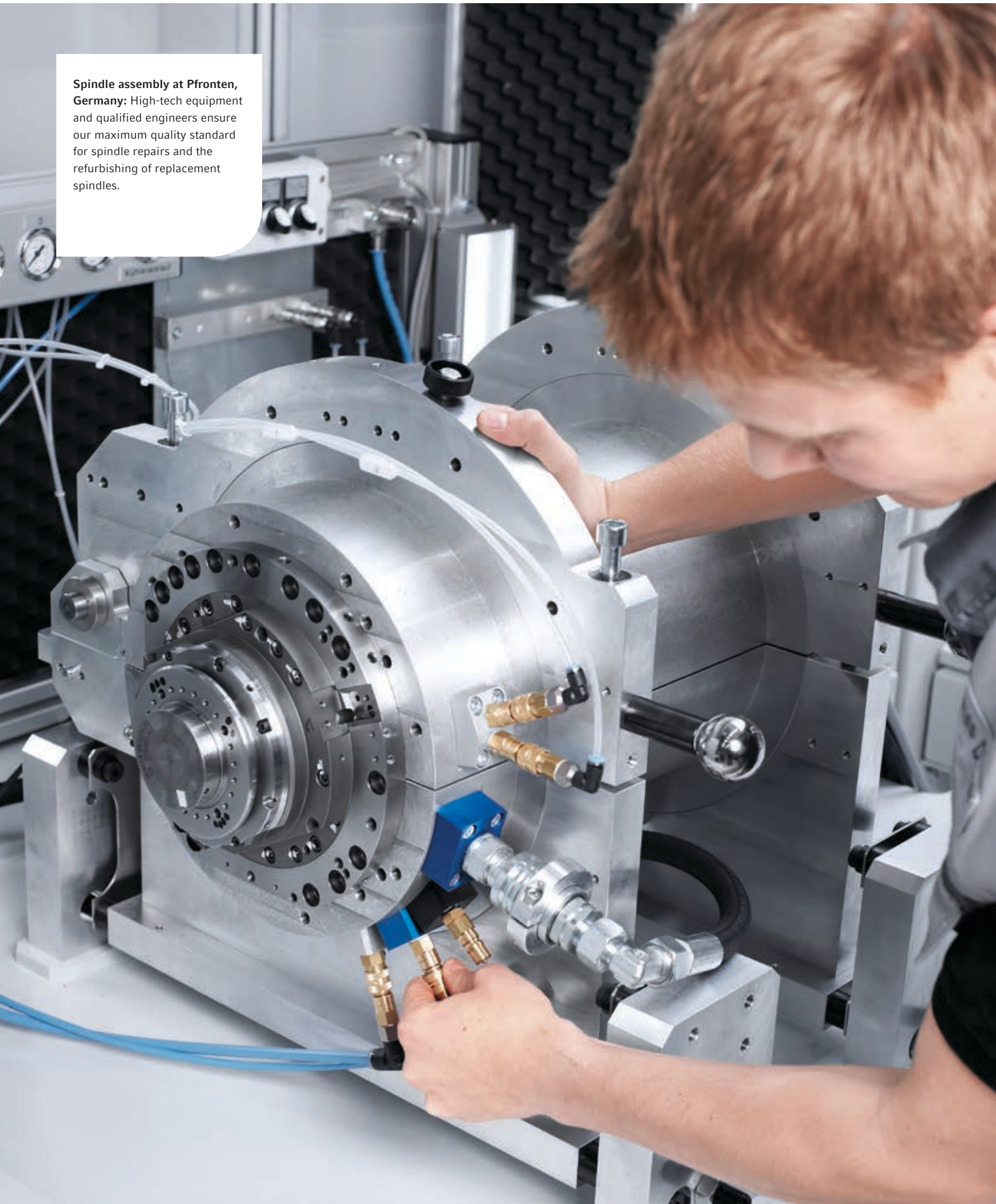
Highlights

- + You decide – new or refurbished replacement spindle
- + More than 1,000 spindles worldwide in stock for immediate availability
- + Shortest possible production downtime because repair time is no longer required
- + Constant quality standard through the use of new or refurbished replacement spindles at the latest technological standards
- + Professional replacement of the damaged spindle by DMG MORI engineers

MPC – Machine Protection Control

Optimum machine protection: Identify errors in the handling process immediately and avoid machine damage and downtime. MPC is a retrofit solution designed to maximise the life-span of your spindle. It can be easily integrated and shuts down your machine in case of critical vibration. Additionally, it provides you with a full diagnosis of the handling process and suggests adjustments if needed. For detailed product information and availability for specific machines, contact your nearest DMG MORI.

Spindle assembly at Pfronten, Germany: High-tech equipment and qualified engineers ensure our maximum quality standard for spindle repairs and the refurbishing of replacement spindles.



Only Trust Experts With the Vital Parts of Your Machine.

Bearing and adjustments

For the variety of bearings, spacer ring testing and adjustments required for all the spindles available on the market, detailed design documents and manufacturer expertise are necessary. **Consequential damage:** If critical details are unknown, it may result in damage to the bearing and the spindle or even in a total economic loss.

Rotary feedthrough

Other providers lack the information about which rotary feedthrough is recommended for which spindle. The rotary feedthrough requires exact adjustment while fitted. **Consequential damage:** If the rotary feedthrough is blown, coolant will permeate into the motor spindle, which can cause serious damages.

Balancing, rebalancing, fine balancing

The required balancing quality can only be ensured with special equipment. Fine balancing can only be performed by specialists with many years of experience. **Consequential damages:** Imbalance damages the ceramic bearings, resulting in vibration and poor work piece surface quality.

Clamping systems

Knowledge of the many different clamping systems and their various seals for internal coolant supply is not guaranteed by other providers. **Consequential damages:** Incorrect handling can loosen the tools.

Rotary encoders

Precise matching of the encoder signal with regard to amplitude and phase angle is a necessary requirement for optimum running and control properties. **Consequential damages:** If the signal is not exact, the spindle will run inefficiently. This leads to vibrations that cause poor work piece surface quality. The spindle will also run louder.

Motor spindle windings

Other providers are not familiar with specific parameters, such as inductivity, insulation resistance and phase angle. **Consequential damages:** There is a risk of overloading the axle servo.

Kinematic setting after spindle replacement

The interaction of the basic geometry and kinematics of the machine is crucial for the accuracy of the machine. Different procedures for controllers from Siemens or Heidenhain require specific expertise. **Consequential damages:** If the kinematics are determined incorrectly, this will cause a significant loss of accuracy.



24/7 Service Hotline –
Always available.
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online at www.dmgmori.com