



Nakanishi Jaeger GmbH High Performance Spindles Application

Our unique selling proposition

As an innovative and efficient manufacturer only the best is good enough for us



- High flexibility in the high-frequency development due to our development capacities → able to quickly respond to individual customer requests
- Diverse product portfolio with a variety of „customized“ products
- High level of vertical manufacturing with an extensive supplier network at the same time
- Subsidiaries with a service and repair shop in the United States and China with employees that have been trained in Germany
- Strong and experienced salesforce unrivalled in the industry
- A well-established workforce with low fluctuation forms the basis of our success

High-frequency spindles „Made in Germany“

Product overview



Chopper



DentaDrive



F-line



Power line



SK-line



Z-line



Key facts

- Product portfolio with more than 350 high-frequency spindles with a housing diameter range from 33mm to 150mm and a power range from 260 watt to 67 kilowatt
- High-frequency spindles can be used flexibly for high-speed and high-precision operations, e.g., in the application areas dental technology, precision cutting, conductor boards and robot applications etc.
- In-house motor development and production enables maximum flexibility for the customization of high-frequency spindles
- In 2021, more than 6,200 high-frequency spindles sold and approx. 2,800 repairs performed; we expect to deliver c. 7,300 high-frequency spindles in 2022 and approx. 2,800 repairs
- Highest quality, precision, performance, speed, reliability and flexibility

Application areas – and examples

High-frequency spindles for a wide range of application areas

Dental technology



Grinding technology



Conductor boards



Die and mold production



Robot applications



Selected application examples

Engraving, Deburring,



Panel processing



Embossing matrices



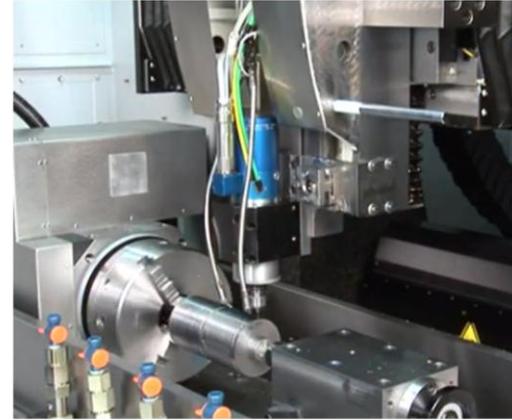
Key production



Jewelry



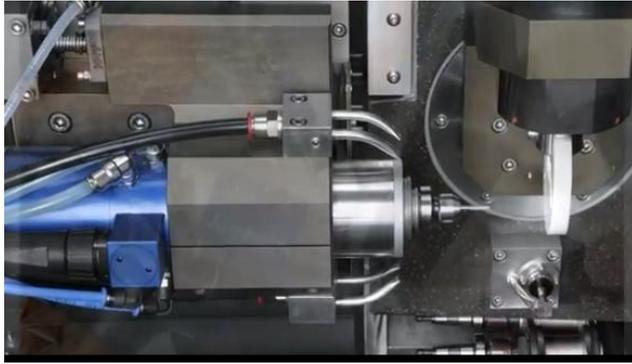
Machine tool industry



Small and Medium Size Machines:

- Die and Mold
- Metall Cutting (roughing and finishing)
- ID Grinding

Machine tool industry

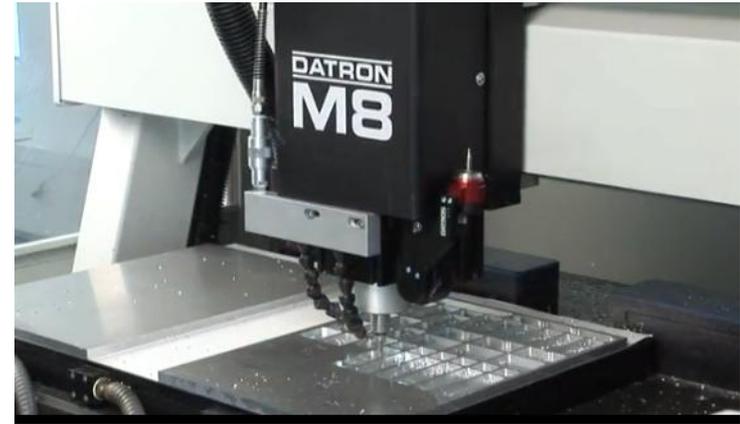


Grinding Machine

Example Company Hardinge
and Kellenberger



Router machine industry



Router and Engraving Machines:

- Signing and Advertising Industry
- Wood Industry (Furniture)

Jewellery industry



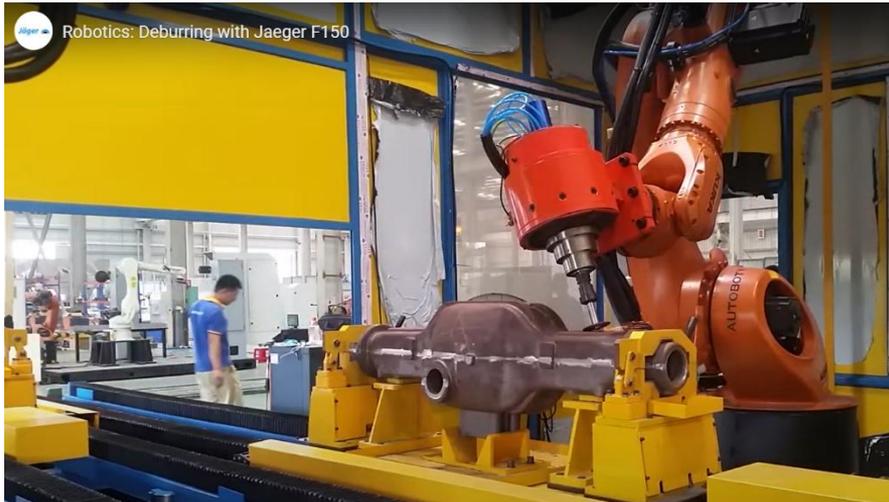
- Milling/Engraving in:
- Gold
 - Silver
 - Platinum
 - Wax
 - Stainless Steel

Robotic industry



Robotic Routing/
Milling in the Automotive
Industry

Robotic industry



Deburring
Milling



Dental industry

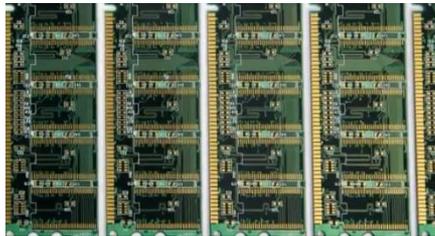


Dental CAD-CAM Machines working in different Materials:

- CrCo
- Titanium
- Zirkon Oxid
- Glass Ceramics
- etc.



PCB industry



PCB Drilling / Routing
and
Prototyping

End presentation

Thank you for your attention