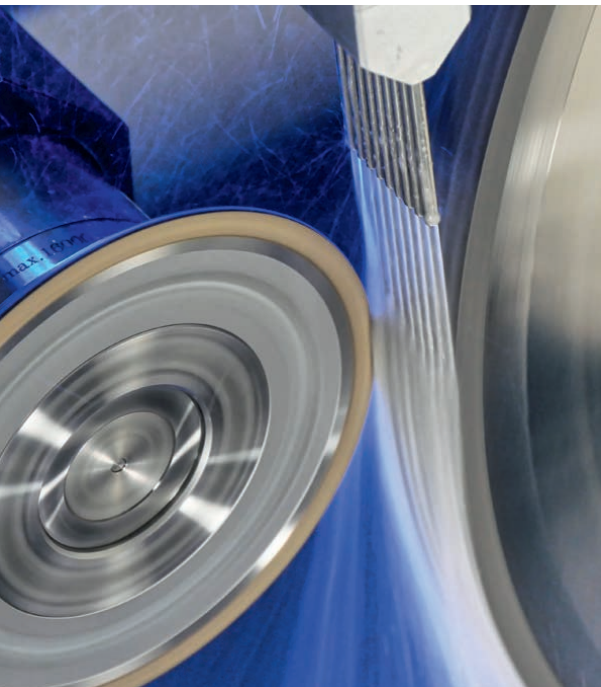


YOUR SYSTEM PROVIDER
FOR THE GRINDING ZONE



COORDINATED SOLUTIONS FROM A SINGLE SOURCE FOR MAXIMUM PRECISION IN THE GRINDING ZONE

As a system provider in the field of grinding technology, **DR. KAISER Diamantwerkzeuge GmbH & Co. KG** offers a comprehensive product spectrum ranging from dressing tools such as dressing discs and profile rollers, dressing spindles and wear tools to sophisticated solutions with CBN and diamond grinding wheels.

In the face of increasing efficiency and cost pressure in production, we support our customers not only as a pure product supplier, but also take a holistic view of the grinding process.

DRESSING TOOLS A VARIETY OF SOLUTIONS FOR GRINDING WHEELS

DRESSING DISCS

- Precise path-controlled dressing
- Reinforced versions for extremely hard grinding wheels
- Customized diamond coatings for individual requirements
- Maximum service life
- Regrindable & repairable



PROFILE ROLLERS

- Dressing by single axis infeed
- Long service life
- Tailor-made solutions for almost any profile
- Three production methods – sintered, electroplated or reverse plated
- Fast dressing



STATIONARY DRESSING TOOLS

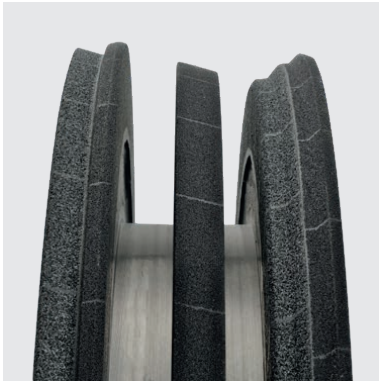
- CVD & MCD dressers: flies-, single-point, radius & profile dresser
- Triangular dressing plates
- Natural diamond dressers: single-point, grain, needle flies, multi-point & indexable dressers
- Dressing bars



GEAR MANUFACTURING

- Dressing of grinding worms: single-start & multi-rib, single or double-flank
- Dressing roller assemblies
- Multi-rib rollers
- Dressing discs & sets
- Dressing discs for profile grinding
- Replating possible





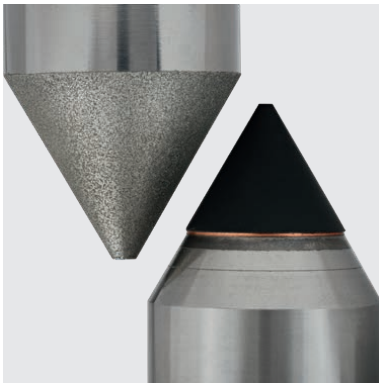
GRINDING TOOLS CBN AND DIAMOND GRINDING WHEELS

- Vitrified grinding wheels Ø 25–750 mm
- Electroplated grinding wheels
- Hybrid grinding wheels for carbide & HSS
- Grinding wheels in resin & metal bond
- Pre-profiling & replating possible



SPINDLE SYSTEMS FOR ROTARY DRESSING

- Dressing spindles Ø 33–120 mm; up to max. 9 kW
- All-In-One Spindle systems
- Conversion & retrofit
- Profile roller systems for dressing by single axis infeed
- Reconditioning of spindles and frequency converters



WEAR PROTECTION FOR TOOLS, WORKPIECE GUIDES AND PRECISION COMPONENTS

- Workrest blades, steady rest blocks & center points
- Prisms & sliding blocks
- Precision tools for measuring, testing, and coordinate acquisition
- Drivers & gripping elements



APPLICATION TECHNOLOGY PRECISELY MATCHED TO THE MACHINE

- Tools & parameters matched to the machine
- Test field for customer-specific tests
- Dressing & grinding seminars
- DR. KAISER App – dressing & grinding parameters in just a few steps



INDUSTRIES

DESIGNED TO MEET DEMANDING REQUIREMENTS



AUTOMOTIVE & COMMERCIAL VEHICLES

- Motor components
- Turbocharger machining
- Transmission & drive technology
- Injection systems & pumps
- Chassis & brakes
- Electromobility & hybrid drives



AVIATION

- Engine components
- Structural components made from high-performance materials
- Chassis components
- Internal & external cylindrical grinding
- Surface finishing & deburring



ENERGY

- Turbine components
- Generators & electric motors
- Drilling & production technology
- Nuclear power plant components
- Renewable energies (wind, solar, hydropower)



GRINDING MACHINE MANUFACTURERS (OEM)

- Cylindrical & surface grinding
- Profile & thread grinding
- Centerless grinding
- Gear grinding
- Tool & jig grinding



DRIVE TECHNOLOGY

- Gear wheels & components
- Shafts & bearings
- Clutches & brakes
- E-mobility & alternative drives
- Hydraulic cylinders & piston rods
- Hydraulic valves & control elements



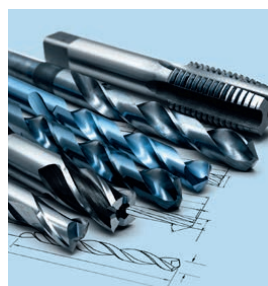
MEDICAL DEVICES

- Implants & prostheses
- Surgical instruments & medical technology
- Catheters & stents
- Optical & diagnostic devices
- 3D-printed medical components



ROBOTICS & AUTOMATION

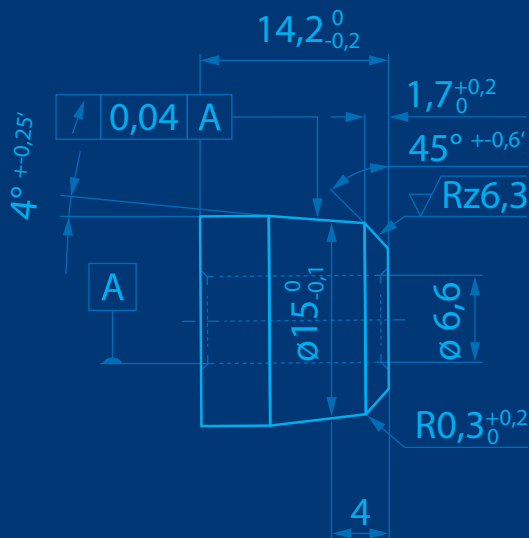
- Gear components
- Robot arms & joints
- Sensor & camera housing
- Gripping systems & end effectors
- Hydraulic & pneumatic systems
- Automated systems
- Electric motors



TOOL TECHNOLOGY

- Machining tools
- Cutting tools
- Pressing & forming tools
- Clamping devices & fixtures
- Grinding of carbide & ceramic tools

CUSTOMIZED SOLUTIONS



TAILORED DESIGN IN THE GRINDING ZONE

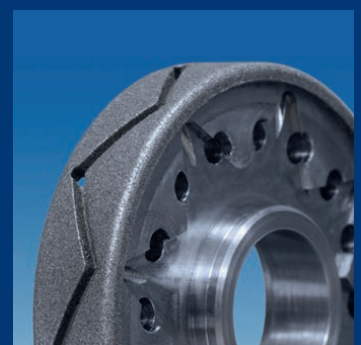
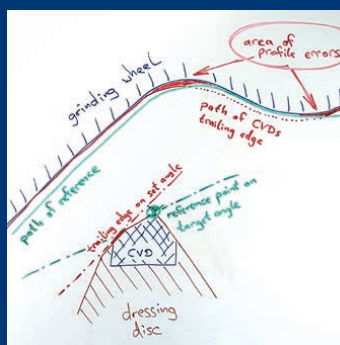
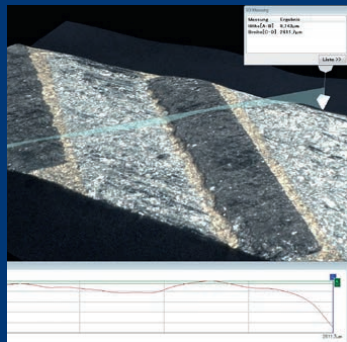
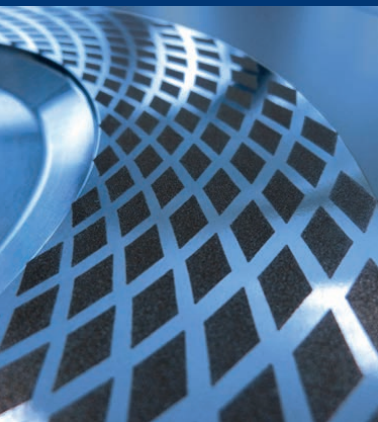
FROM THE PART DRAWING TO THE COMPLETED TOOL

Each machine has its own special feature, each customer has his own wealth of experience, each tool has its own special task. For a process-optimized design of a tool by DR. KAISER, it is essential to review key parameters in advance with our technical sales and design engineers.

DIAMOND-BASED DEVELOPMENTS AND SPECIAL MANUFACTURING

CONTACT US FOR SPECIAL TASKS RELATING TO DIAMOND TOOL PRODUCTION:

- Development of customized solutions – from material selection to individual production
- Wear protection for tools, guides & precision components under high loads
- Adoption of complex grinding & manufacturing processes for maximum precision
- Innovation partnership for new diamond technologies – from the idea to series production



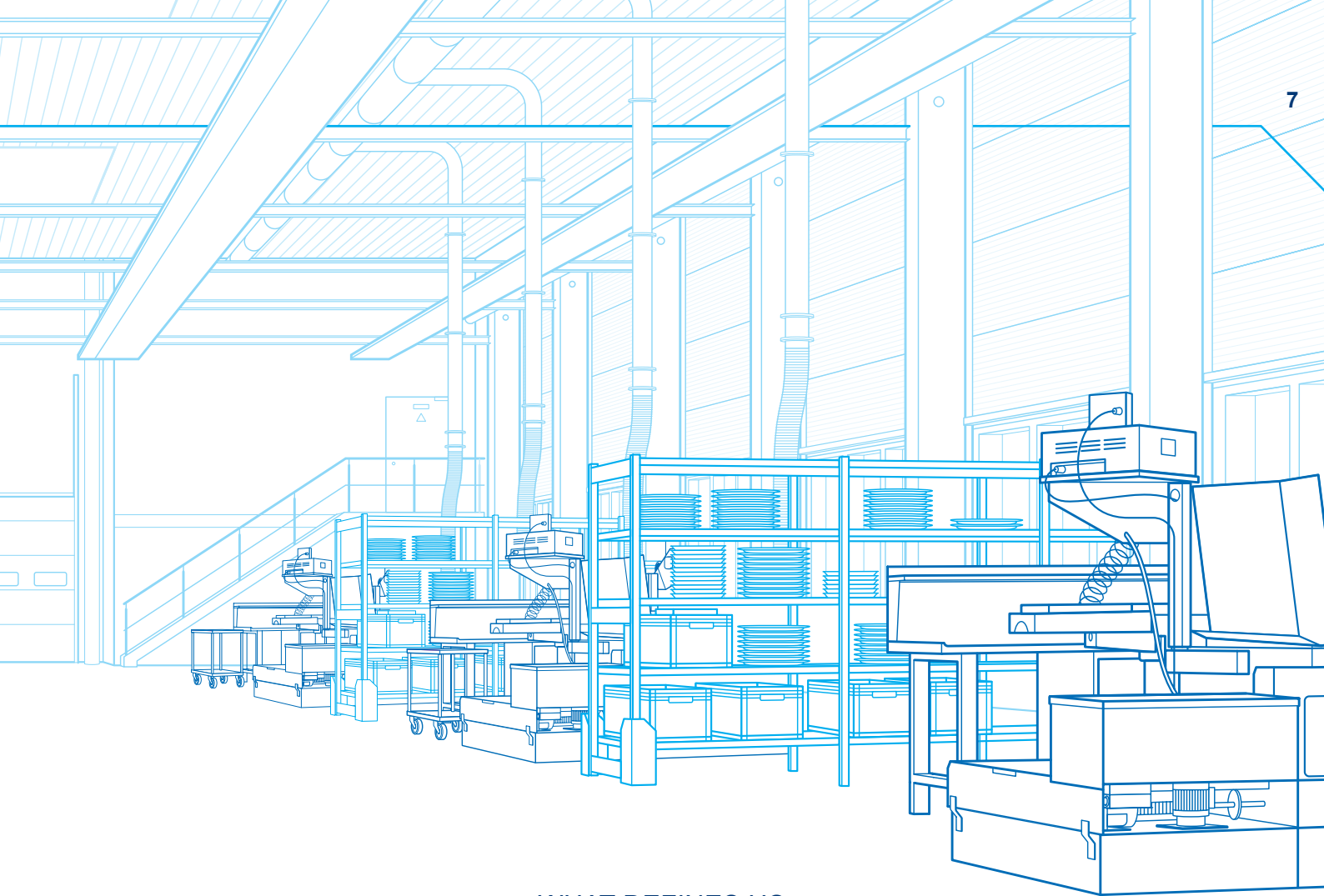
DR. KAISER DIAMANTWERKZEUGE PRECISION THROUGH DIAMOND

As a system provider for grinding and dressing technology, **DR. KAISER Diamantwerkzeuge GmbH & Co. KG** is known worldwide for high-precision and innovative products "Made in Germany". For more than four decades, industrial customers from a wide range of sectors have placed their trust in the "problem solver for all aspects of the grinding zone", which offers individual complete solutions through to process optimization.

Founded in 1977 by Dr.-Ing. Michael Kaiser, the garage company has developed into a modern company with a global reputation and today employs more than 360 people at its Celle sites. The technical field service and international sales partners support and advise our customers worldwide.



› **Precision through passion** / With decades of accumulated expertise, our employees are a driving force behind our success.



WHAT DEFINES US



Quality
Made in Germany



Tailor-made
solutions



Highest
precision

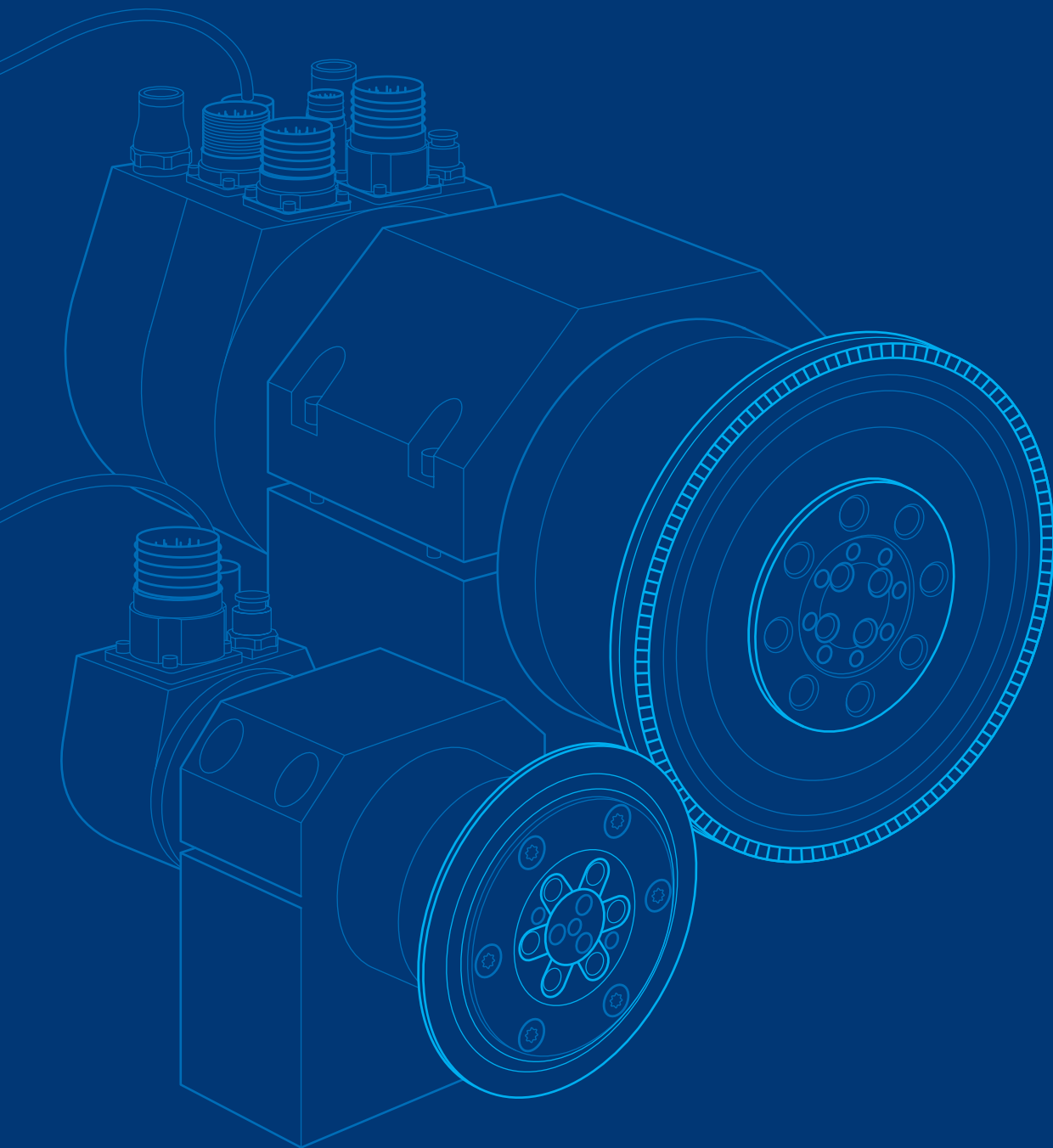


Everything from
a single source

ENGINEERED IN CELLE – TRUSTED WORLDWIDE



Your contact
Technical sales and
representatives



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DR. KAISER
precision through diamond