

**CNC-Dressing
Discs**

**Plunge-Dressing
Roller**

Dressing Blocks

Pointcrush-Dressing Discs

**CNC-Dressing Discs for
CBN Grinding Wheels**

Dressing Tools for Gear Grinding

Dressing-Spindle-Systems

**Electroplated Diamond- and
CBN-Grinding Wheels**

Wear Protection Parts

PCD- and CBN-Tools

MCD-Dressers

CNC-Dressing and Plunge Dressing

CNC rotary dressing discs are used for profile dressing of conventional grinding wheels in CNC grinding applications. The geometry is generated by CNC control. Plunge type rotary dressers contain the entire geometry of the workpiece within their periphery.



These tools can be produced with either natural diamond or polycrystalline diamond. Diamonds can be handset or randomly distributed depending upon the dressing situation. The combination of specially selected diamonds and a wear-resistant sintered bond makes these tools well suited for a wide variety of dressing applications.

Dressing Spindle Systems

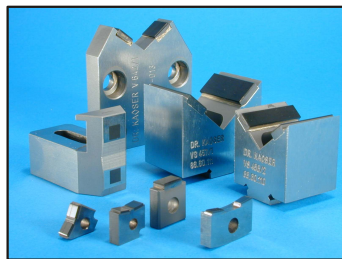
DR. KAISER offers a wide variety of Dressing Spindle Systems for CNC dressing operations. These systems consist of a spindle, rotary diamond



dresser, and accessories which can be easily integrated into the grinding machine. These systems feature excellent running truth, power, rigidity and sensor technique. For special applications, these systems can be fitted with a touch dress sound sensor and RPM sensor control. There are more than 10 standard spindle systems and special solutions available.

Wear Part Components

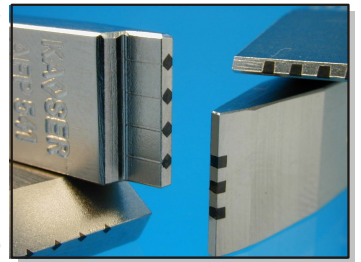
DR. KAISER wear part components like shoes, drivers, prisms, centres and female centres wear pads and guides are of the highest quality to ensure efficient performance and long edge life.



All components are fitted with PCD inserts to allow for high wear resistance and reduced friction for improved peripheral speed and surface quality of the workpieces.

MCD-Dressing

Dressing with stationary diamond tooling continues to be a widely used method for profiling grinding wheels. By utilizing mono-crystalline diamond (MCD) inserts, it is possible to dress complex profiles and radii into the grinding wheel.

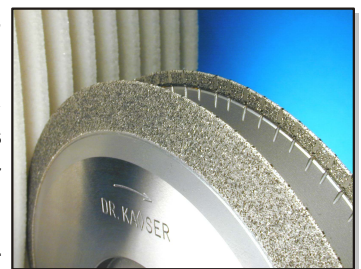


Accurate geometry of the MCD inserts ensures that continuous good performance is maintained throughout the life of the tool.

These tools are the right solution whether you are grinding a single part or thousands! MCD Dressers can easily replace standard single-point and chisel type dressers.

Profiling of Gear Grinding Worms

High quality gear production requires continuous gear grinding. DR. KAISER offers dressing disc sets and profile dressers for nearly every dressing system used today. Related modifications are



available for specific grinding applications. Dressers are available in either electroplated (positive) or sintered versions.

A unique edge reinforcement system is offered whereby PCD inserts are placed in the periphery of electroplated dressers giving them extremely long life.

Overview:

DR. KAISER DIAMANTWERKZEUGE offers solutions with the highest precision for the hardest cutting tools and raw materials through:

- Dressing and profiling of conventional as well as diamond and CBN grinding wheels.
- Grinding with electroplated diamond and CBN tools
- Protection of sensitive parts against wear
- Machining with diamond and CBN tools
- Fixture, drive and control of CNC-dressing discs

we invite you to make use of our experience...

For More Information Contact

vyhradni zastoupeni Dr.Kaiser pro CR a SR:
DIA - Praha s.r.o. Praha 10, Kreslice, K Cestlicum 185
Tel.: +420 267 713 230 - Fax: +420 267 713 231
e-mail: info@diapraha.cz - <http://www.diapraha.cz>