



GRINDING WHEEL DRESSING MACHINE

GWDress



GWDress500

With the ability to dress grinding wheels with a diameter of up to 550 mm (extendable up to 650 mm) it sets new standards.

gwd-industrial.com



Details make the difference

The granite bed ensures robustness and high rigidity, resulting in excellent stability and effective absorption of vibrations.

The GWDress-500 therefore combines performance, robustness and precision, making it the ideal choice for demanding dressing applications in the dressing of grinding wheels in your grinding shop.

Simple operation of the angle adjustment

The GWDress-500 is equipped with a simple mechanical lock that enables uncomplicated operation of the angle setting.

Despite this ease of use, the machine remains reliable and robust thanks to its sturdy construction.

This combines comfort and stability and makes the GWDress-500 a reliable choice for precise dressing work in your sanding shop.

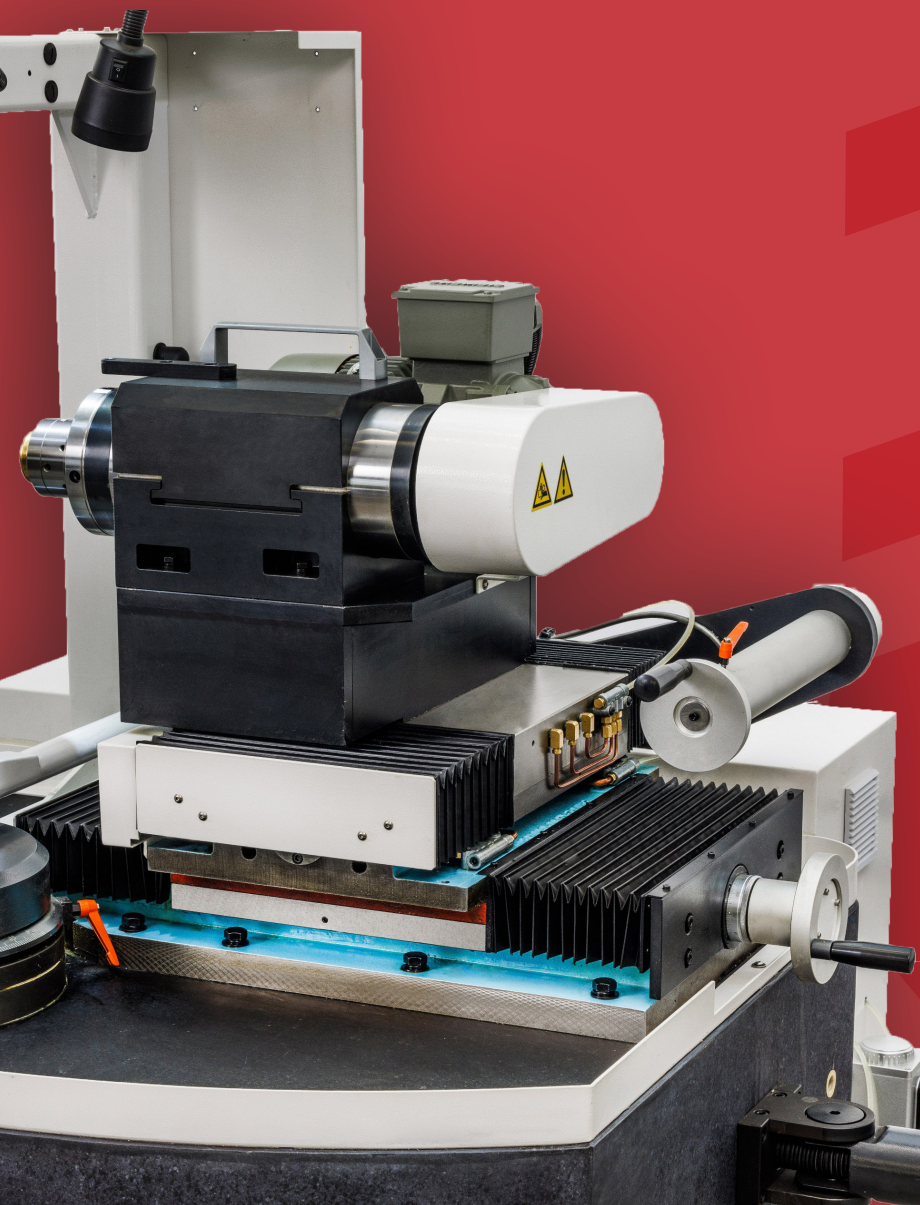


Excellent lateral guidance and high repeatability

The GWDress-500 impresses with its robustness, which ensures excellent lateral guidance and high repeat accuracy.

This stability ensures precise and reliable dressing work in your sanding shop.

With GWDress-500, you can rely on consistent performance that meets your requirements.

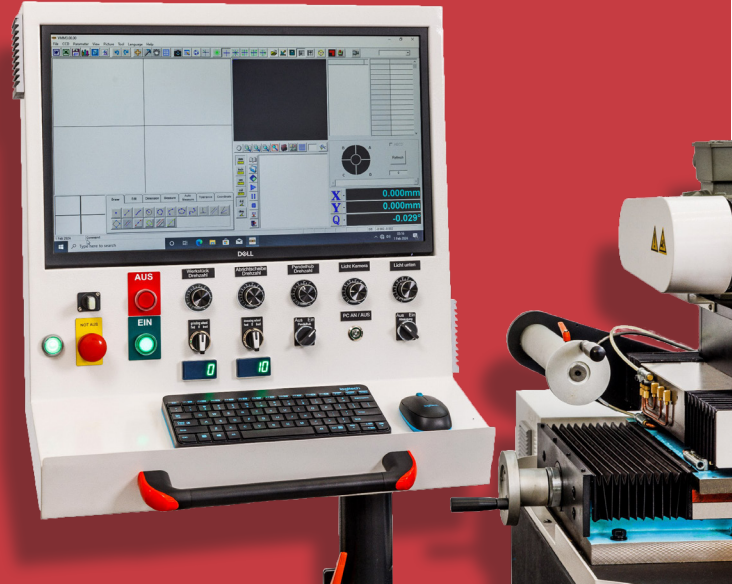


High-quality components for efficiency and accuracy

The control of the GWDress-500 is intuitive and user-friendly thanks to an LCD screen.

With its high-quality camera optics and magnification function, it enables precise and detailed work.

This combination of modern technology not only makes operation easier, but also increases the efficiency and accuracy of the dressing processes in your grinding shop.



The GWDress500 is standard with a HSK-50 holder equipped.

However, it can also be specially adapted with a different mount at the customer's request.

This flexibility ensures that the machine is optimally adapted to the individual requirements and needs of your grinding shop.

TECHNICAL DATA

GENERAL

- Mounting HSK-50 or on customer request
 - max. grinding wheel diameter: Ø 450 mm
 - max. dressing wheel diameter: Ø 250 mm
 - Grinding wheel speed: 0-1440 rpm (continuously adjustable)
 - Dressing wheel speed: 0-2840 rpm (continuously adjustable)
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SOFTWARE

- GWDress Studio Software
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RANGE OF AXIS MOTION

- Left/Right: 200 mm
 - Forward/Backward: 180 mm
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DRESSING

- Oscillation movement: 0-50 rpm (continuously adjustable)
 - Swivel length of dressing wheel: 0-90 mm (adjustable)
 - Optical scale device: 0.001 mm (X, Y and rotary axis)
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FURTHER INFORMATION

- DXF-Import possible
- LCD-screen with camera optics and magnification
- Radius can be dressed
- Wheel packages can be dressed
- Dimensions: approx. L: 1850 mm x W: 1650 mm x H: 1850 mm
- Weight: approx. 3.000 kg
- Electrical connection: 400 V or on request
- Total power: 5,0 kW

LATEST INNOVATION AT GWD INDUSTRIAL



The screenshot shows the GWDress Studio software interface. At the top, the logo 'GWD STUDIO' is visible on the left and 'Schema: Standa' on the right. Below the logo, there's a toolbar with icons for zooming (123%), panning, and rotating. The main area displays a 3D model of a part with green measurement lines and values like '98.94' and '98.94°'. A large red 'GWD STUDIO' watermark is overlaid on the model. On the left side, there's a 'Sensordat' panel showing 'X: 21.438 mm', 'Y: 33.623', and 'Grad: -16.70'. Below the model, there's a large red 'GWD' watermark.

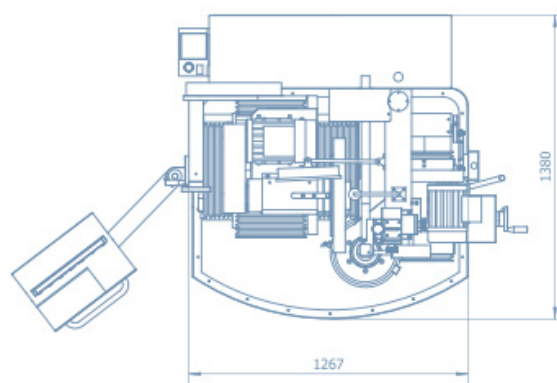
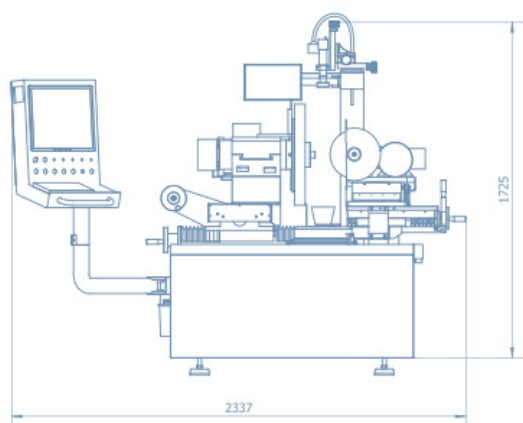
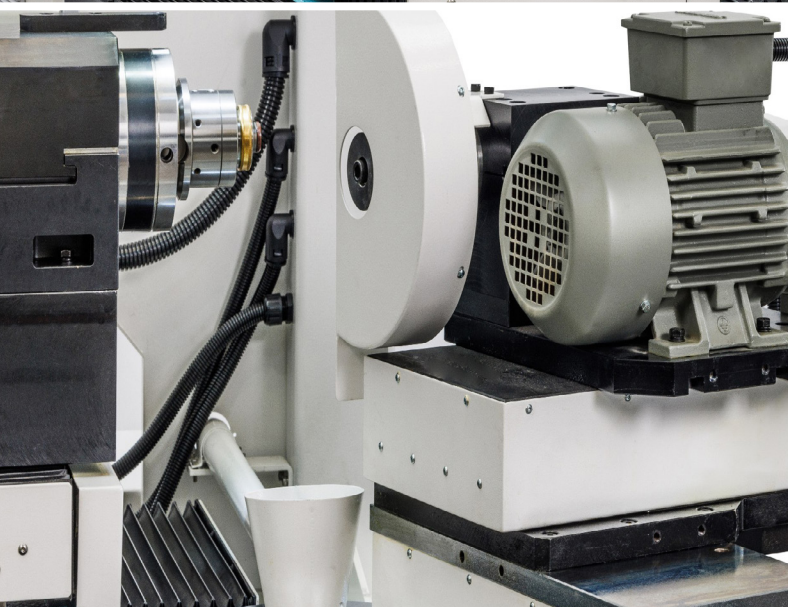
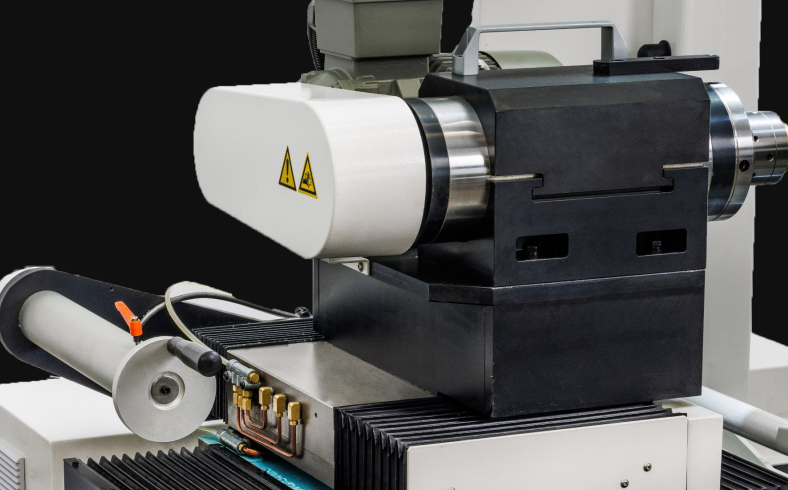
NEW SOFTWARE ERA

Completely new software, including AI features!

IMPORTANT INFO

- ✓ AI support for automated measurement of the workpiece
- ✓ Insert DXF files
- ✓ Live image transmission
- ✓ Available in all languages worldwide, which makes work much easier for production employees
- ✓ Also compatible with used machines that you want to equip with new software and camera optics

[Learn more in our video](#)



We look forward to your inquiry and are ready to give you the best advice.

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