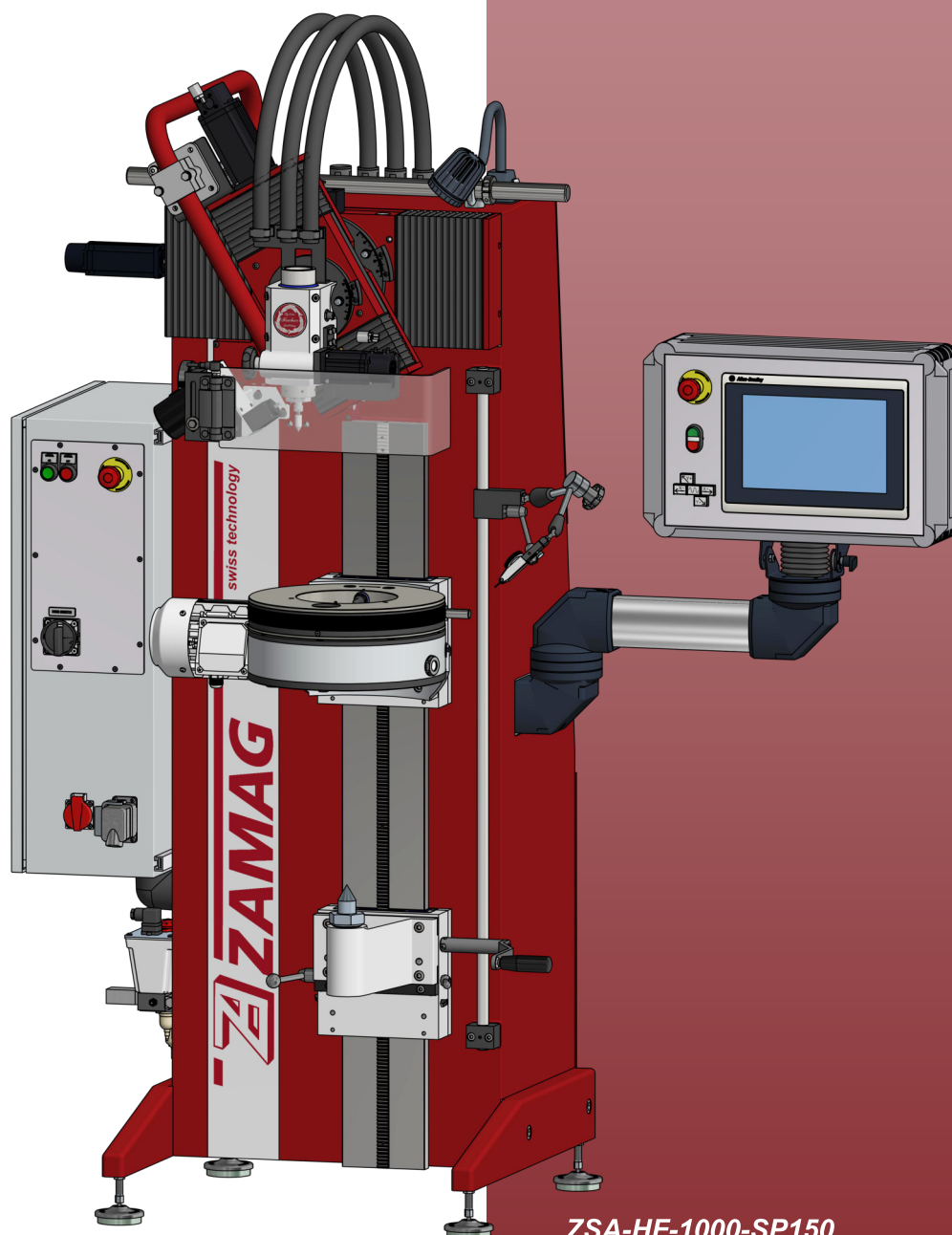




Product flyer

automatic
center hole grinding machine

ZAMAG



ZSA-HF-1000-SP150

*automatic center hole grinding machine
with precision chuck $\varnothing 150\text{mm}$*

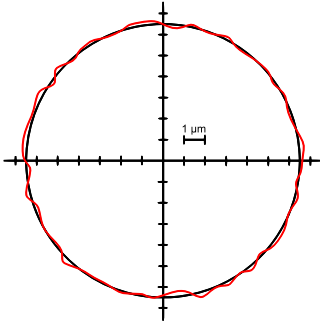


swiss technology

automatic center hole grinding machine ZSA

Highest precision:

The machine achieves a concentricity accuracy of 0.001mm

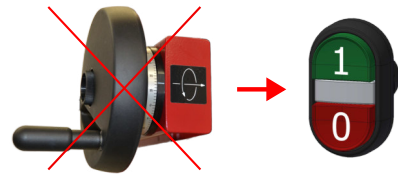


More time for productive work:

When grinding with the manual center hole grinding machine ZSM most of the steps are performed by hand. With the ZSA the operator clamps the workpiece and aligns it. After entering the parameters, the ZSA does the rest automatically.

Automation:

The center hole grinding machine ZSA measures the center holes with a laser independently and grinds them automatically to the dimension entered in the touch panel.



Control system:

The ZSA is equipped with a PLC control system. All entries of the grinding parameters and cycles are made via a 12" touch panel.



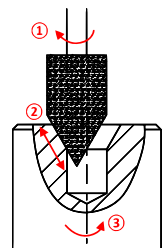
Precision chuck:

Thanks to our chuck, even workpieces with an inaccurate surface can be clamped and aligned.

With a lot of experience to the optimal result:

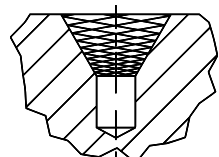
Grinding principle:

1. rotary movement of the grinding wheel
2. stroke movement of the grinding wheel
3. rotating workpiece



Result:

A cross hatch pattern with oil pockets that provides optimum oil retention in the center holes.



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