



DRESSING AND PROFILING MACHINES



AP-350

SPECIFICATIONS

MACHINE

Dressing process	dry dressing (optional wet dressing)
Material of the machine body	hard rock
Operating condition	manual, semi-automatic
Oscillation	CNC-controlled
Interfaces	USB, Ethernet (RJ45)
System accuracy of the C-axis encoder	± 0,003°

WORKPIECE SPINDLE

Spindle	Geiger Ø 80 mm
Clamping system	manual
Interface	SK 40 (optional HSK 50 or HSK 63)
Radial run-out	≤ 0,002 mm
Diameter	max. Ø 350 mm
Width	max. 150 mm from spindle interface (and disc packs)
Weight	max. 30 kg
Speed range	stepwise adjustable from 0 to 1500 rpm

TOOL SPINDLE

Spindle	Ø 80 mm
Clamping system	manual
Interface	external taper 1:7,5
Radial run-out	≤ 0,003 mm
Diameter	max. Ø 250 mm
Width	max. 20 mm
Flange diameter	Ø 32 (optional Ø 51 mm)
Speed range	stepwise adjustable from 0 to 3000 rpm

TRAVEL PATH

X-axis (CNC-controlled)	300 mm
Y-axis (CNC-controlled)	160 mm
V-axis (manual)	200 mm
U-axis (manual)	150 mm
C-axis (manual)	+/- 95°

CAMERA SYSTEM

Object field	Ø 30 mm
Sensor type	CCD-Sensor
Resolution	512x512 (optional 1024x1024)
Zoom range (digital)	2-, 4-, 8-, 16-times (32-times only with 1024 x 1024)

DIMENSIONS AND WEIGHT

Nominal voltage	3/N/PE ~ 400V 50Hz/60Hz
Dimension (width x length x height)	appx. 2500* x 1700* x 1900** mm
Weight	appx. 3400 kg

* Dimensions without control panel;

** 3000 mm with open protective hood

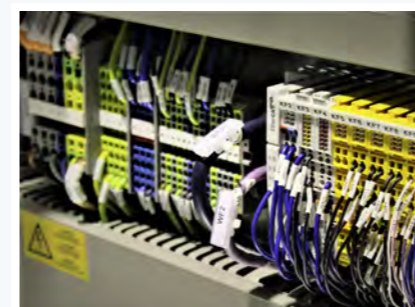
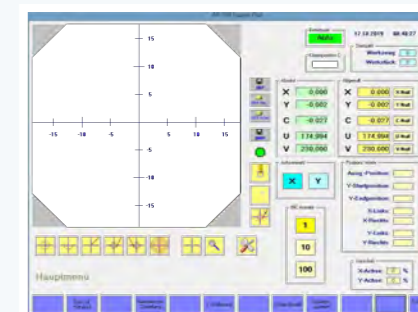


PRECISE

- The solid construction with a massive base body made of hard rock ensures a maximum rigidity and a long service life.
- The basic condition of a perfect contour guidance is a stable C-axis with a wear-minimized bearing and a directly flange-mounted angle encoder for precise, backlash-free and dynamic work.
- A high-precision workpiece spindle, developed based on our decades of experience, guarantees a very high radial run-out.

SMART

- The operator-supported guidance in our HMI ensures interactive handling and the 19-inch industrial touch screen guarantees a simple input.
- A fast and accurate adjustment of the desired angle of the C-axis enables fully electronic clamping with a semi-automatic indexation.
- The freely movable control panel ensures accessibility and control from all sides.
- DXF data can be imported and mapped for a fast and effective process.



SAFETY

- Maximum safety in every operating mode is ensured by the CNC control with integrated safety PLC.
- A protective hood that opens upwards ensures trouble-free access during changeover in the operating area.
- Low maintenance, ensured by an automatic central lubrication system, minimizes the wear of the components.

PRECISE + SMART + SAFETY = AP-350



WHO WE ARE



*Convince yourself first hand and
in person of our machines.
Contact us for an appointment and a
demonstration according to your requirements!*



The company Rudolf Geiger Maschinenbau GmbH was founded in 1967 and is an internationally recognized manufacturer of dressing and profiling machines as well as special grinding machines. Since then, **TRADITION, INNOVATION** and **PRECISION** has been a priority in our company.

Our plant is located in Rüssenbach, a district of Ebermannstadt in the beautiful Franconian Switzerland. On an area of approx. 3000 m², the individual parts are manufactured and assembled to your machine with a high degree of care.

Our customers includes many well-known grinding wheel and tool manufacturers, medical technology as well as the automotive, aviation and aerospace industries.



Rudolf Geiger Maschinenbau GmbH

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