

SW WIL

REKORD 500 CNC

CNC GRINDING MACHINE FOR
METALCUTTING CIRCULAR SAWS



REKORD 500 CNC

CNC grinding machine for the complete machining of HSS and solid carbide circular saw blades

This CNC grinding machine is suitable for re-sharpening or manufacturing of HSS and solid carbide circular saw blades. Using CBN or diamond grinding wheels guarantees outstanding quality of finish and precision with short cycle times. The machine uses the latest computer technology to guide the operator through simple and easily programmable menu driven display.

STANDARD SOFTWARE

- Sharpening and manufacturing of circular saws according to DIN 1840
- Chamfering of circular saw blade
- Ability to save working cycle for future use
- Compensation for the grinding wheel thickness
- Clearance angle and rake angle freely programmable
- Modification of the tooth depth $\pm 20\%$
- Indication of working cycle time remaining

OPTIONAL SOFTWARE

- Grinding of variable tooth pitch
- Grinding of circular saw blades on a same diameter
- Grinding of friction circular saw blades
- Grinding of replaced segments in segmental saws
- Grinding of solid carbide circular saw blades
- Tooth geometry modification with storage of tooth forms
- Grinding of special tooth forms





STANDARD FEATURES

- Working area fully enclosed in a cabinet with interior lighting
- High pressure coolant facility with filter and mist extraction unit
- Electronic handwheel for manual positioning of grinding slide
- Clamping of circular saws without tools
- Quick adjustment for chamfering
- Automatic centralized lubrication

OPTIONS

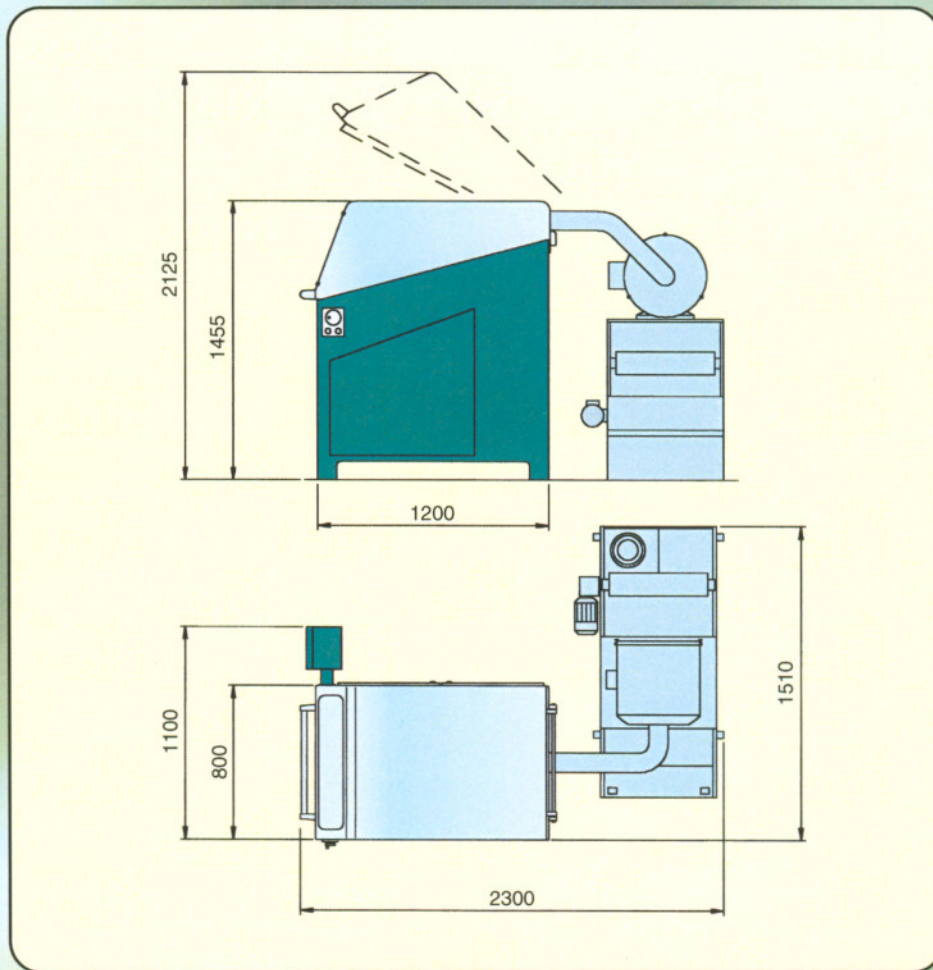
- Extension of the circular saw blade diameter to 550 mm
- Range of circular saw blade diameters 150 - 630 mm
- Clamping fixture for circular saw blades diameter 50 - 150 mm

NOTE

The photo shows the REKORD 500 CNC machine equipped with clothing filter system for coolant, with automatic in-feed of the cloth.

TECHNICAL DATA

Circular saw blade diameter	mm (50) 150 – 500 (630)
Teeth number	20 – 998
Maximum saw blade thickness	mm 6
Grinding wheel diameter	mm 150
Working speed	teeth/min 2 – 60
Coolant system	l/min 50 – 7,5 bar
Grinding wheel motor power	kW 2,2
Installed power	kVA 5
Weight	kg 835
Dimensions	mm 1510x2300x1455



We reserve the right to make modifications