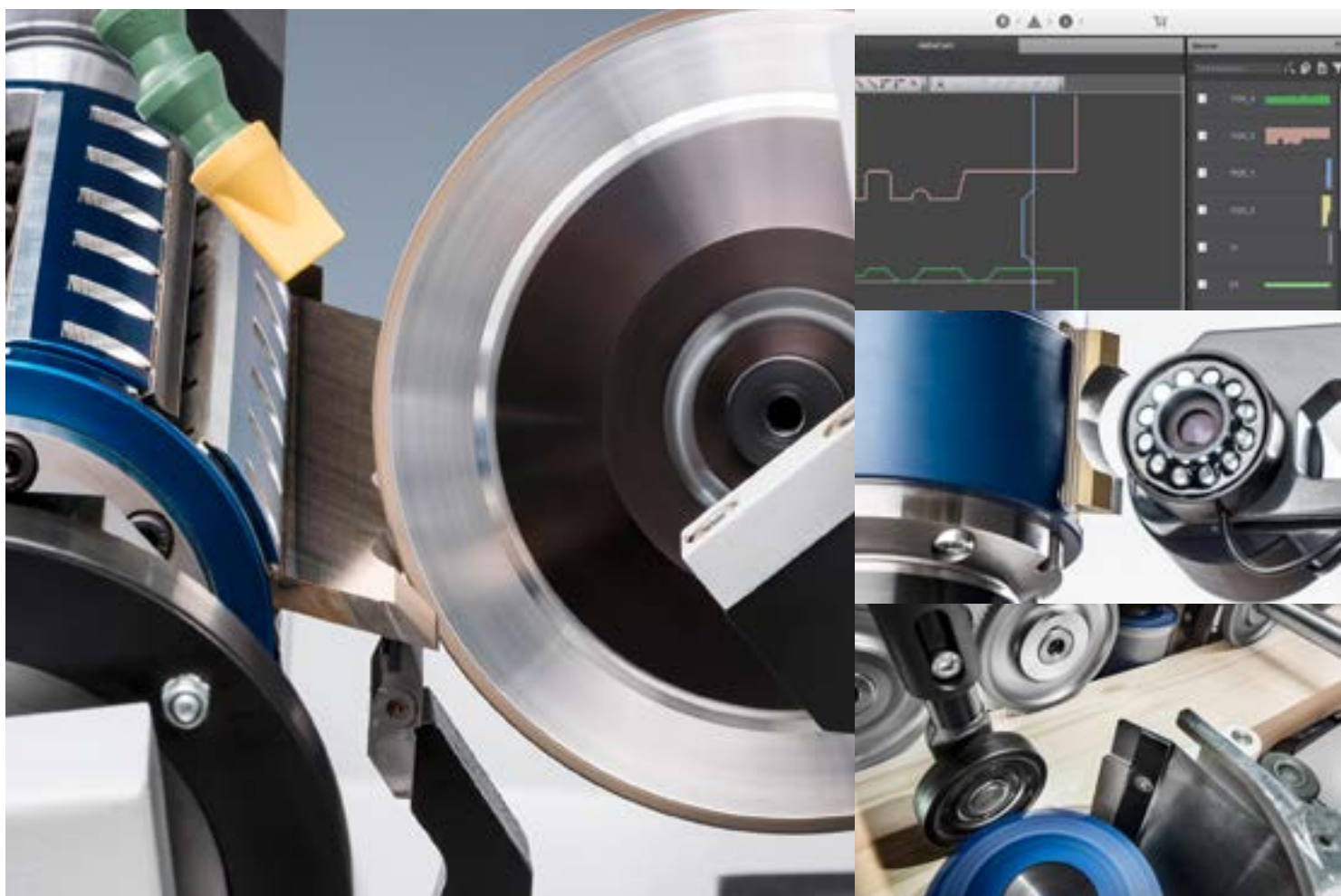


RONDAMAT 1000 CNC

The new CNC tool grinder for added value from your tool room



Rondamat 1000 CNC: Fully automatic high precision tool grinding

The efficient organization of the work area plays an ever increasing role in optimizing manufacturing processes. Ultimately, the full performance potential of your moulders can only be achieved when the tools are sharpened, measured and available when needed. The Rondamat 1000 CNC grinds and sharpens tools fully automatically according to a CAD drawing created by Moulder Master which provides the basis for producing accurate profiles on the moulder. In respect to efficiency and added value the Rondamat 1000 CNC will raise your tool room to a new level.

Your advantages

- Fully automatic grinding of a profile from a straight knife blank
- Unmanned production after setting the machine up
- Consistent high quality independent of operator influences
- Enormous time savings due to automatic import of data from Moulder Master
- High precision due to CAD based grinding process
- Manufacturing and storing templates is eliminated
- Graphic display of tools for better clarity and prevention of errors
- Suitable for right and left rotating tools with HSS and carbide knives
- Very safe due to full enclosure
- Independence from tool suppliers and grinding services





WEINIG System Plus

- Moulder Master for production and management of profile and tool drawings
- OptiControl Digital for fast and accurate tool measurement
- Powermat for producing mouldings to the highest quality standards

The most important technical data:

Working width max.	360 mm
Tool diameter max.	300 mm
Tool weight max.	80 kg
PowerLock tool holder	standard
Back clearance angle	10 - 30°
Side clearance angle	0 - 20°
Grinding wheel diameter min./ max.	150 - 200 mm
Grinding spindle drive motor	1.5 KW
Grinding spindle speed, inverter	1,500 - 3,000 rpm
Full machine enclosure	standard
Automatic measuring of grinding wheel diameter	option
Grinding spindle with HSK receiver	option
Grinding wheel magazine for 3 wheels	option
Self-contained coolant tank with filter	option
Total connected load	ca. 3 KW

1 Fully automatic grinding

Independent from manual skills, consistent high quality profile knives are produced from a straight blank. The requirement to produce a template is completely eliminated.

2 Management of tool data

All tool data is managed at the centrally located operator terminal. Operating errors are reduced through clear menu guidance and graphic display of the tools.

3 Grinding spindle with HSK receiver

The HSK receiver allows grinding wheels to be changed quickly during the grinding process which reduces the setup time. In addition to this a high degree of tool runout accuracy is ensured.

4 Grinding wheel magazine

The grinding wheel magazine with 3 holders makes automatic wheel changes possible. With this capability a profile can be completely ground without operator intervention. This reduces idle time and increases operator safety.

5 Self-contained coolant tank

The coolant fluid is filtered through fleece paper before returning to the tank for re-use. This greatly reduces the coolant consumption and maintenance requirement.



Subject to technical alterations. The statements and pictures provided in this brochure also include optional equipment that is not included in standard delivery. Some protective covers were removed for photographing.

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