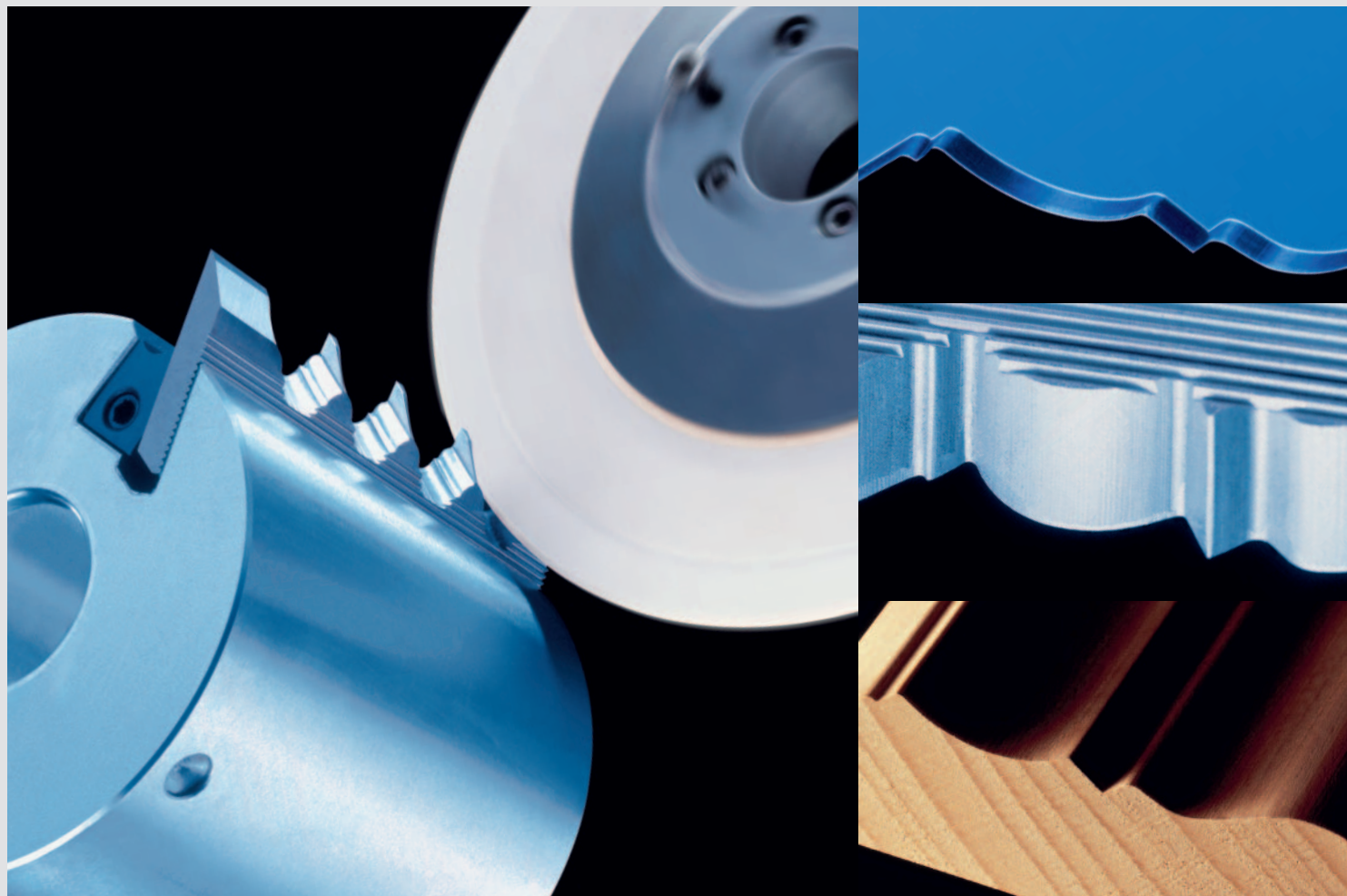


Rondamat Series

Universal tooling grinders for maximum precision
and exact profile replication



The WEINIG Grinding System: A precision response to meet all demands

WEINIG's Rondamat Series includes a full range of tool grinders specially tailored to meet individual needs and conditions. From manual units through to fully automatic machines. All the models display exceptional precision. And they are all built to the same high quality standard as the WEINIG moulders. Which explains why nearly all tool sharpening services now work with WEINIG Rondamats.

Regardless of whether you work hard or softwoods, chipboard, MDF or plastic – you can always rely on a Rondamat. Using the appropriate grinding wheels you can produce and sharpen HSS, stellite or carbide knives.

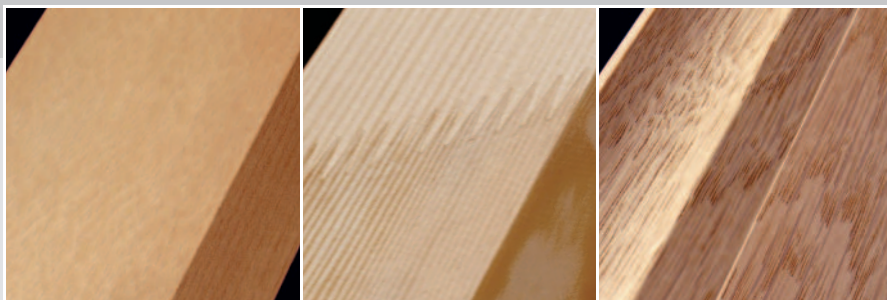
Regrinding tools has been our stock-in-trade for decades

Regrinding plane knives in the head

Regrinding finger joint knives

Creating and regrinding profile knives





A comprehensive range of options means that even tools for special products such as router bits can be shaped and ground.



The Rondamat –

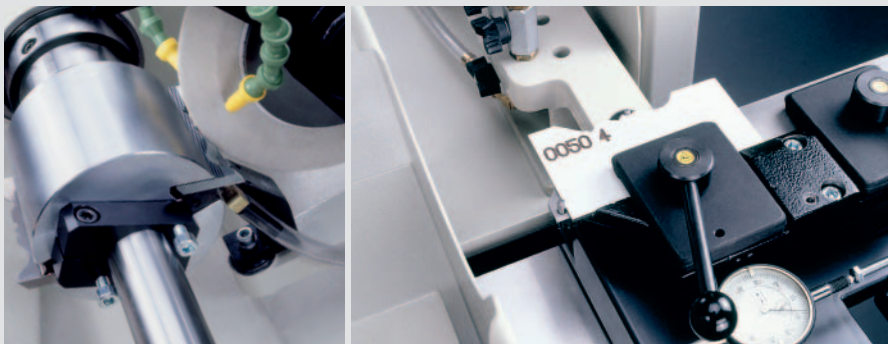
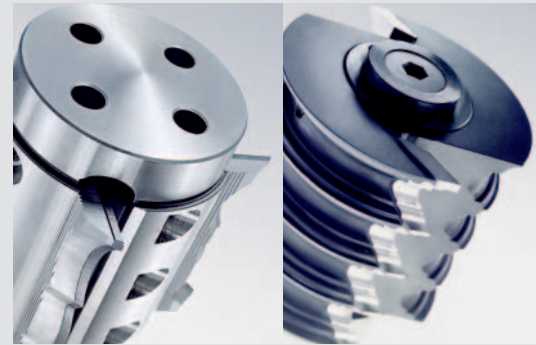
because maximum precision and quality are always called for:

- Excellent profile precision
- Grinding tolerance below 0.005 mm
- For straight bore, hydro and Power-Lock tools
- For top quality surface finish
- Simple reproducibility
- No dependence on tool suppliers
- Decades of WEINIG experience
- Moulders, tool grinder, cutter heads – WEINIG system solutions!



The Rondamat grinding system: for profile ground and face grinding

Tooling consists of a cutter head and a knife. You can produce a large number of different profile shapes with one and the same tool body, selecting the most suitable knife for different material. Mill-to-pattern tools, by contrast, are bonded tools, i.e. the blades and the tool bodies are a single unit. Each individual tool can only be used for one profile. WEINIG's grinders are ideal for both types of tool, producing quality results and ensuring long tool lives.



Profile ground knives are shaped and resharpened to a profile template on the back of the knife. This ensures absolute profile precision and optimum cutting angles for all types of species and materials. Sharp tools, perfectly ground for precision running.



Mill-to-pattern cutter heads are sharpened at the face. Individually or a set – you always achieve maximum precision with the Rondamat. Mill-to-pattern tools are used for making special parts such as dowels, grooves, and profiles for edge gluing.

WEINIG Rondamat 960: DIY precision tool grinding

Become independent! Optimum use of the fastest moulders and the most streamlined tool set-up systems can only be obtained if the tools you need are always available and to hand. Only by producing your own tools do you gain full control over all factors: time, quality and tool costs. WEINIG offers the ideal all-round combination: moulders, cutter heads and the Rondamat grinding system.

Rondamat 960

The knife grinding machines of the Rondamat series convince by their extraordinary precision. They can produce straight planer knives or profile knives according to a template and then re-sharpen them. The heavy-duty grinding aggregate in connection with the smooth linear bearings in the table provides highest precision. The design and manufacturing quality of the Rondamat 960 ensures precision-ground knives with tolerances of ± 0.005 mm. Thanks to a variety of application-oriented equipment packages the Rondamat can be individually constructed to become your "made-to-measure" knife-grinding machine. Based on long experience we are able to provide you with a knife grinder that will precisely fit your production requirements. For the Rondamat 960 there are packages available for the production of router bits and carbide knives, for profiling joint stones, for the automatic grinding of planer knives in the planer head and for producing templates. Additional packages include a productivity package and a semi-automatic profile knife grinding package. Naturally the Rondamat 960 can also be used for PowerLock tools.



WEINIG Rondamat 980: universal partner for planing, moulding and finger jointing

With the Rondamat 980 you can achieve perfect results when regrinding up to 36 straight knives in the head, with conventional, hydro or PowerLock clamping. You can also sharpen mill-to-pattern and finger-joint cutters. The machine is simple to operate via a programming key pad. Indexing and grinding feed can be easily programmed. The Rondamat can be adjusted for different knife materials such as carbide.



WEINIG Rondamat 168: Sharpens mill-to-pattern, planer knives and saw blades

The Rondamat 168 represents a highly cost-effective means of regrinding straight planer knives in the cutter head, conventional mill-to-pattern knives, finger-joint cutters and saw blades made from HSS or carbide. It is suitable for tools with conventional or PowerLock clamping. The machine is distinguished by its ease of operation and accuracy. The Rondamat 168 has an indexing disc for all standard cutters.



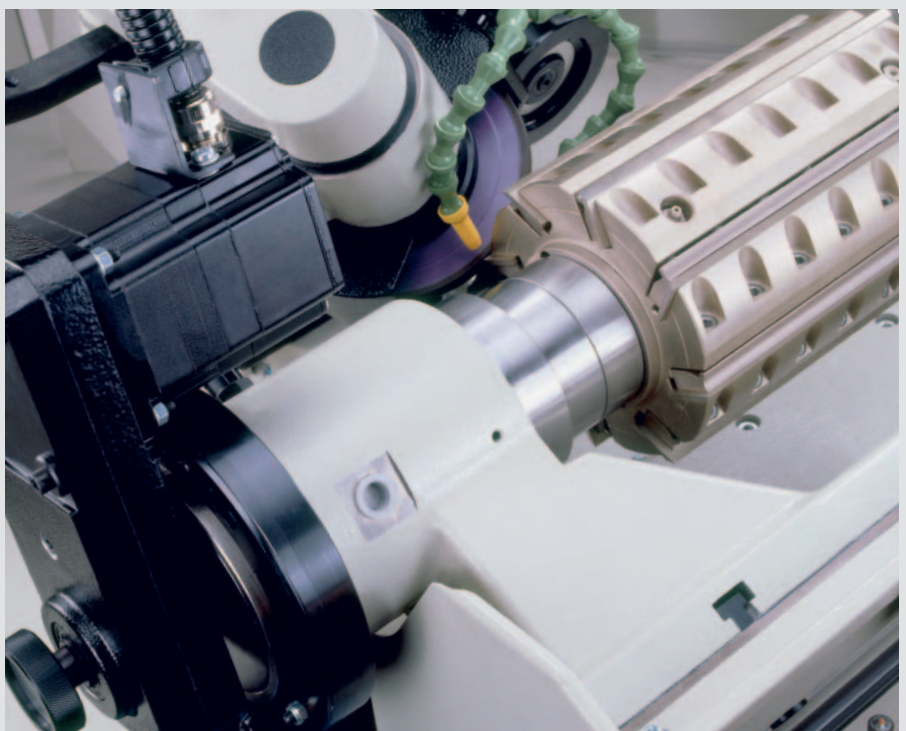
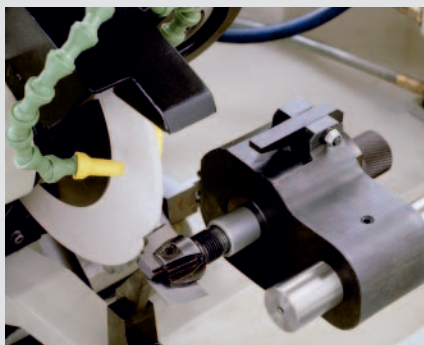
Production packages for the profile grinding machines

Based on our extensive experience we provide a complete range of equipment which meets all your production requirements. Packages are available for the Rondamat 960 for the production of router bits and carbide knives, for joint stone profiling, and for automatic grinding of planer knives in the cutter head and for creating templates. A special all-inclusive productivity package and a semi-automatic profile knife grinding package are available.

Grinding of router bits – the grinding attachment for blank router bits, for accurate production and regrinding of router bits from a template.

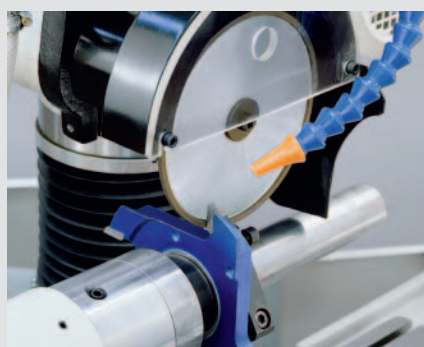
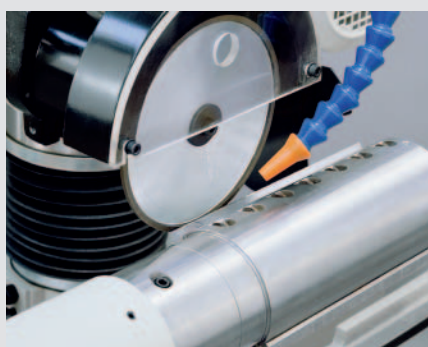
Profiling jointstones to templates
– the simple and convenient method of accurately profiling jointstones.

Automatic grinding of planer knives
– with attachment for 2 - 6 knives, infinitely adjustable axial travel, counter for multiple rotations and table clamping with finish grinding.



Production-related equipment for planer knife and cutter heads

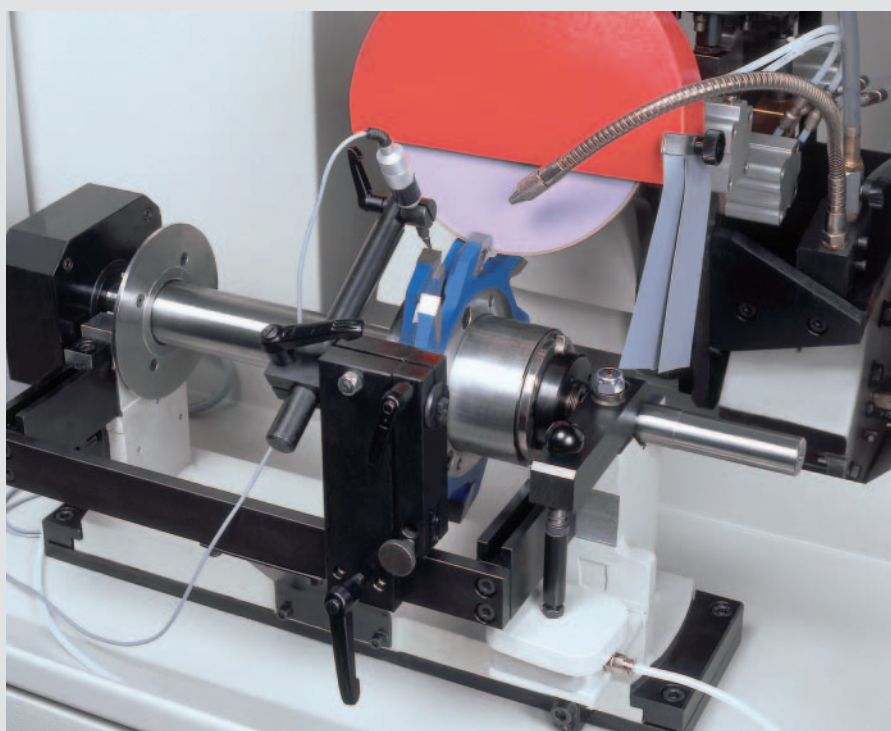
These parts turn your Rondamat into a customised grinding machine. Cutter head grinding packages are available for the Rondamat 980. You can choose between conventional or PowerLock tool clamping fixture for the Rondamat 168. WEINIG has the right grinding system for all tool types. Fully automatic or manual.



Rondamat 168

– maximum versatility

It grinds planer knives in the head, mill-to-pattern tools, finger-joint cutters and saw blades made from HSS or carbide – quickly, precisely and cost-effectively. And it is exceptionally easy to operate.



The cutter grinding package for the Rondamat 980

Fully automatic resharpener with maximum precision! The Rondamat 980 ensures smooth knife surfaces and long tool lives for conventional heads, hydro heads or finger-joint cutters.

0050 +



WEINIG has the complete package: Getting the most out of the Rondamat

The Rondamat series is part of the WEINIG range of machines. They all fit together like building blocks: cutter heads, grinders, measuring systems, moulders, cut-to-length and rip-to-width optimisation systems, finger-joint equipment, gluing and material handling systems. Combined to meet your own particular needs, the result is an all-round solution which increases your productivity and ensures that you are best equipped to meet future challenges. The Rondamat series has many applications, ensuring that you remain fully independent throughout the production process.

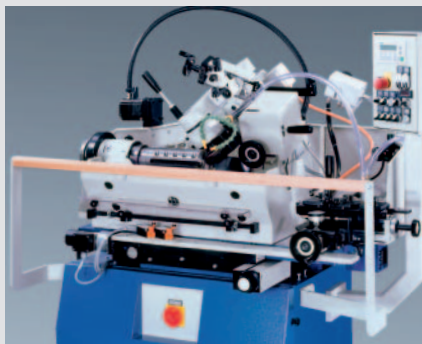
WEINIG template routers

CNC controlled template production
– precise, simple and reproducible.



WEINIG Rondamat Series

Manufacture and regrind tools –
quickly and flexibly



WEINIG Opticontrol PowerCom

Measure tools, generate profiles and
transfer data to the moulding machine
– while reducing costs through minimised
set-up times.



WEINIG cassette system

Can be used for all profiles. Replaces
the time-consuming continual generation
of reverse profiles.

WEINIG jointer preparation

Allows you to prepare the jointstones
outside the machine.

Rondamat at-a-glance: Standard versions and options

The matrix shows the distinguishing features between the individual models. Your WEINIG expert will be delighted to give you more detailed information based on your own particular requirements.

PowerLock system

Maximum tool width, standard

Tool width extended to 350 mm

Automatic regrinding of profile and straight knives in cutter head

Fully automatic grinding of knife heads through programmable PLC

Device for grinding finger joint cutters

Tool diameter min. - max. knife heads

Tool diameter min. - max. saw blade

Grinding wheel diameter min. - max.

Grinding wheel width

Grinding wheel bore size

Grinding rotations per tool

Number of knives

Number of knives, automatic straight knife grinding

Grinding wheel speed, 4-speeds:

Grinding wheel speed, infinitely variable mechanical control 1500 - 3000 rpm

Grinding wheel speed, frequency controlled 1500 - 3000 rpm

Grinding wheel speed, 4600 rpm 4400 rpm

Grinding wheel drive

Clearance angle grinding on back of knife

Side clearance angle grinding, manual

Side clearance angle grinding, automatic

Lateral clearance angle grinding for straight knife heads

Coolant tank

Motor coolant pump

Connection values, total

Operating voltage according to your requirements

Table clamping with fine adjustment for straight knife grinding without template

Carbide grinding package

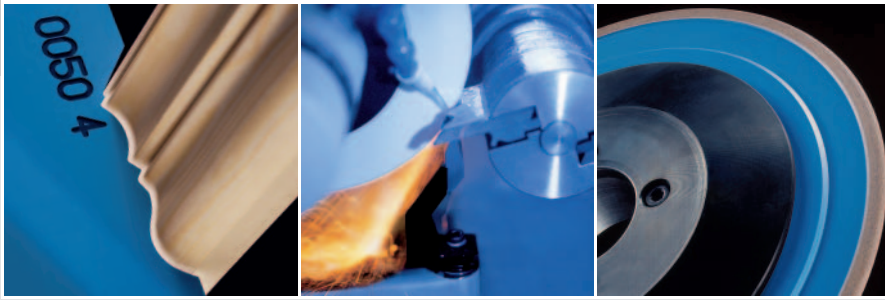
Comfort package

Automatic knife head grinding package

Router bit grinding package

Jointstone profile package

Subject to technical modifications. Statements and pictures in this brochure may also include optional extras which are not included in the standard serial equipment. Some of the



| Rondamat 960 | Rondamat 980 | Rondamat 168 |
|-------------------|--------------|--------------|
| ○ | ○ | ○ |
| 240 mm | 330 mm | 240 mm |
| ○ | — | — |
| — | — | — |
| — | ● | — |
| — | ○ | ○ |
| 100 - 300 mm | 100 - 300 mm | 230 mm |
| — | — | 350 mm |
| 150 - 225 mm | 125 mm | 150 mm |
| 2 - 3 - 4 - 10 mm | — | — |
| 60 mm | 20 mm | 20 mm |
| — | 1 - 10 | — |
| — | 1 - 36 | 36 |
| (2 - 16) | — | — |
| ● | — | — |
| ○ | — | — |
| ○ | — | — |
| — | 4,600 rpm | 4,400 rpm |
| 1.1 kW | 1.5 kW | 1.1 kW |
| 10 - 30° | 15 - 35° | 0 - 25° |
| 0 - 20° | — | 20° |
| — | — | — |
| 60° | — | — |
| 50l | 50l | 40l |
| 210 W | 210 W | 90 W |
| 2 kW | 2 kW | 1.5 kW |
| ● | ● | ● |
| ○ | — | — |
| ○ | — | — |
| ○ | — | — |
| ○ | — | — |
| ○ | — | — |
| ○ | — | — |
| ○ | — | — |

photos show the machine with the protective covers removed.

● Standard

○ Optional

You can expect a lot from us: WEINIG GROUP – Your partner for the future

You can concentrate on your business, let us do everything else! The WEINIG GROUP is not only the leading manufacturer for the solid wood processing industry, we lead this industry in technology and ideas! WEINIG offers comprehensive services and system solutions – all the way to complete turnkey production plants – making the WEINIG GROUP the all-around ideal partner where the focus is always on flexible, profitable production.



The WEINIG ExpoCenter

In our ExpoCenter we can demonstrate to you how our top technology can benefit your operation. Here you can get a close-up view of all our machines.



Training

We want to ensure you get the maximum benefit from your investment as fast as possible. World-class WEINIG training takes care of that. Effective operator training classes taught by experienced WEINIG experts make sure that the machine will be fully productive within the shortest time frame.



Kaizen

WEINIG's own manufacturing process is successfully organized according to the Kaizen method. In a continuous improvement process, quality and efficiency are increased step by step. You can benefit from this at your plant. We will gladly pass on to you our many years of experience.



Service

With sales and service companies located on all continents and a large, mobile team of service technicians, we guarantee a worldwide standard of service that is unique in the industry. Fastest spare parts delivery everywhere and employees who speak your language are part of our reputation for the finest customer support anywhere.

**WEINIG**

World market leader
for moulders

WACO

No. 1 for high-speed
moulders and planers

GRECON

High-performance finger
jointing lines

DIMTER

Specialist for optimizing
cross-cut saws and gluing
presses

RAIMANN

Top technology for
rip optimization

CONCEPT

Your competent partner
for complete system
solutions

The WEINIG GROUP: We seamlessly combine all components of solid wood processing

Including full turn-key production plants

To build innovative machines is one thing, to offer system solutions is something else. More and more, our customers want the entire factory. That's a case for our team at WEINIG CONCEPT. Here the competence of the WEINIG GROUP combines in a special way. From planning to the turn-key production plant, our professionals handle it all. Worldwide. For you.

A strong team

Every member of the WEINIG GROUP is a leader in their product specialty. This creates valuable synergy that ultimately benefits you and your business.



Rondamat Series



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