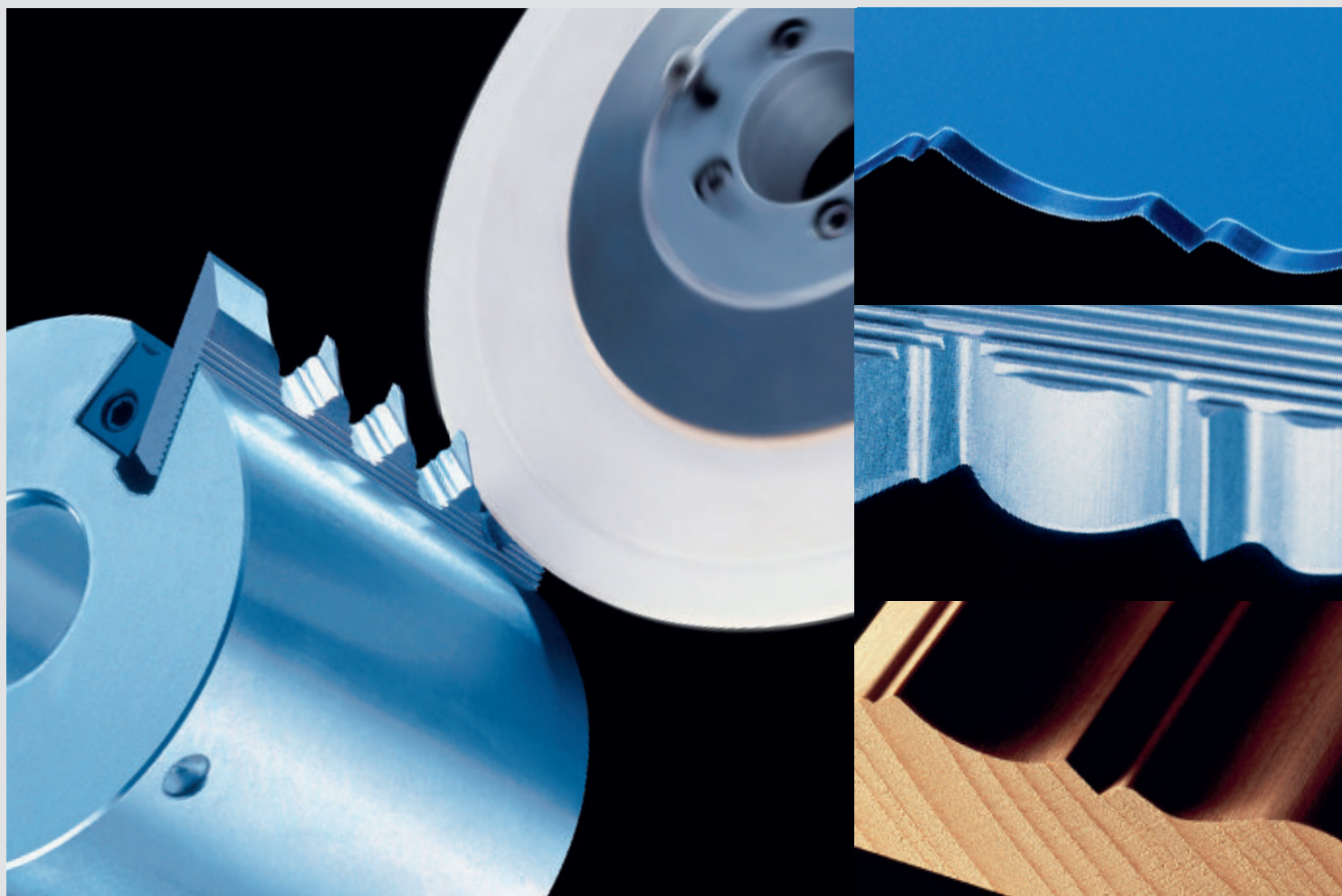


Rondamat Series

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.

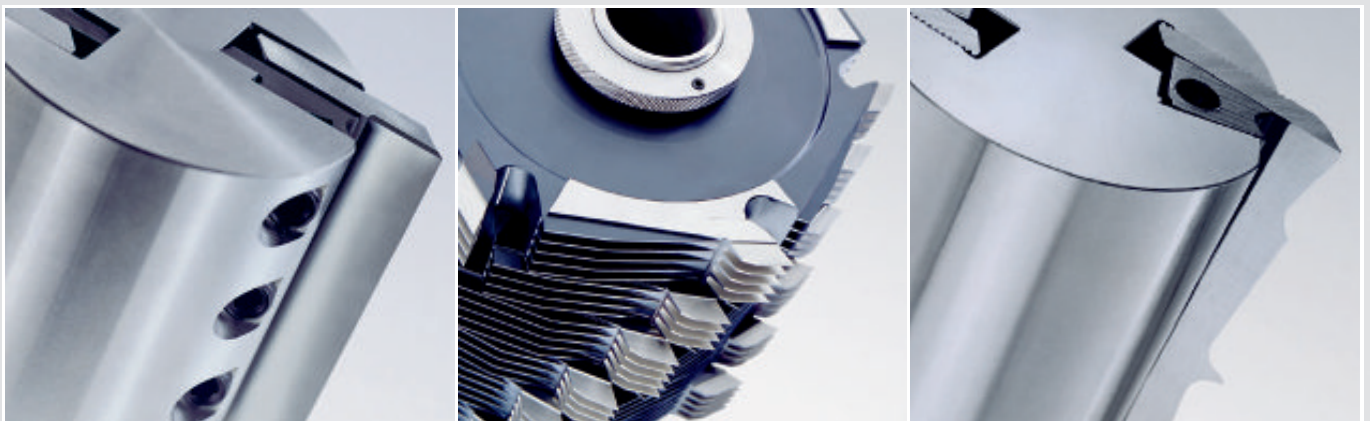
Regardless of whether you work hard or softwoods, chipboard, MDF or plastic - you can always rely on a Rondamat. Using the appropriate grinding wheels you can produce and sharpen HSS, stellite or carbide knives.

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 –

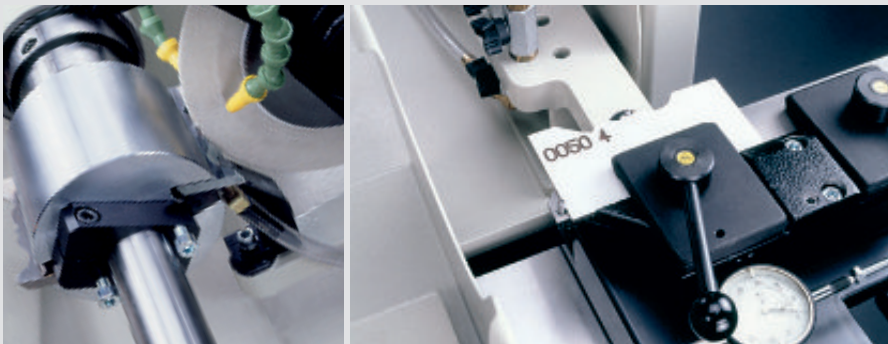
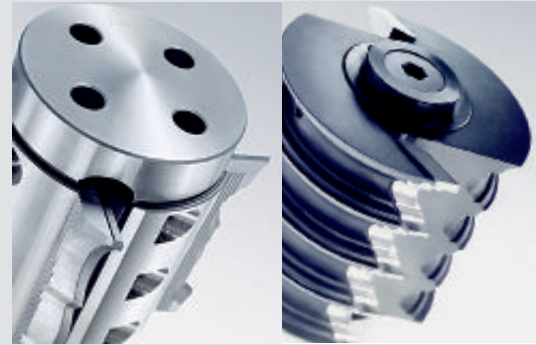
because maximum precision and quality are always called for:

- 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 950, 960, 970: DIY precision tool grinding

Become independent! Optimum use of the fastest moulding machines 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 950

Use this to manually produce and regrind profile knives. The solid grinding assembly ensures vibration-free grinding. The linear table bearing guarantees maximum precision.

Rondamat 960

The Rondamat 960 is distinguished by its precision. Its tolerance is below 0.005 mm! Production packages are available for customising it into a tailor-made profile knife grinder. Naturally, it can also be used for PowerLock tools.

Rondamat 970

This machine is designed for manually producing profile knives and for automatic regrinding. Straight knives can also be reground. The amount of side clearance angle can be pre-selected. The Rondamat 970 also accepts PowerLock tools.



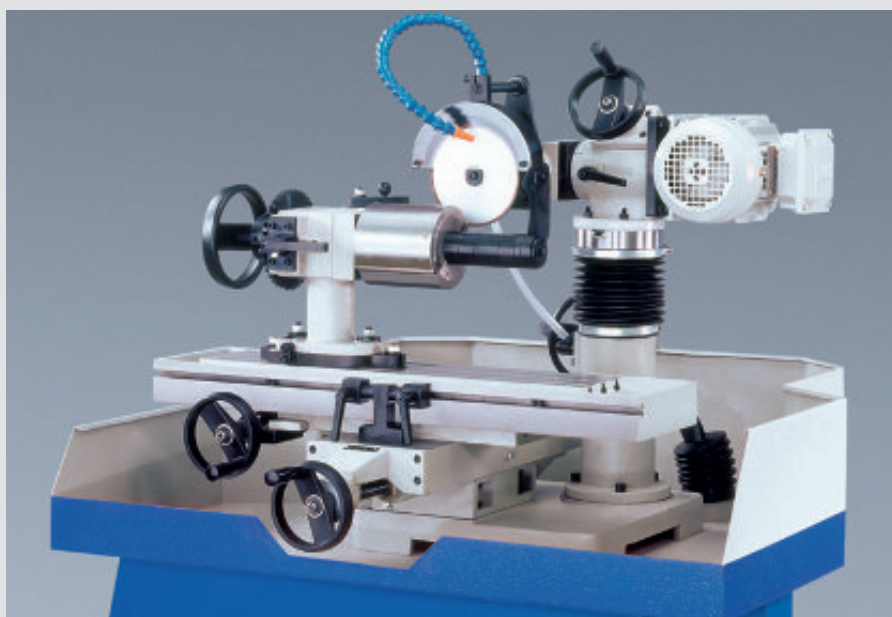
WEINIG Rondamat 980: universal partner for planing, moulding and finger jointing

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.



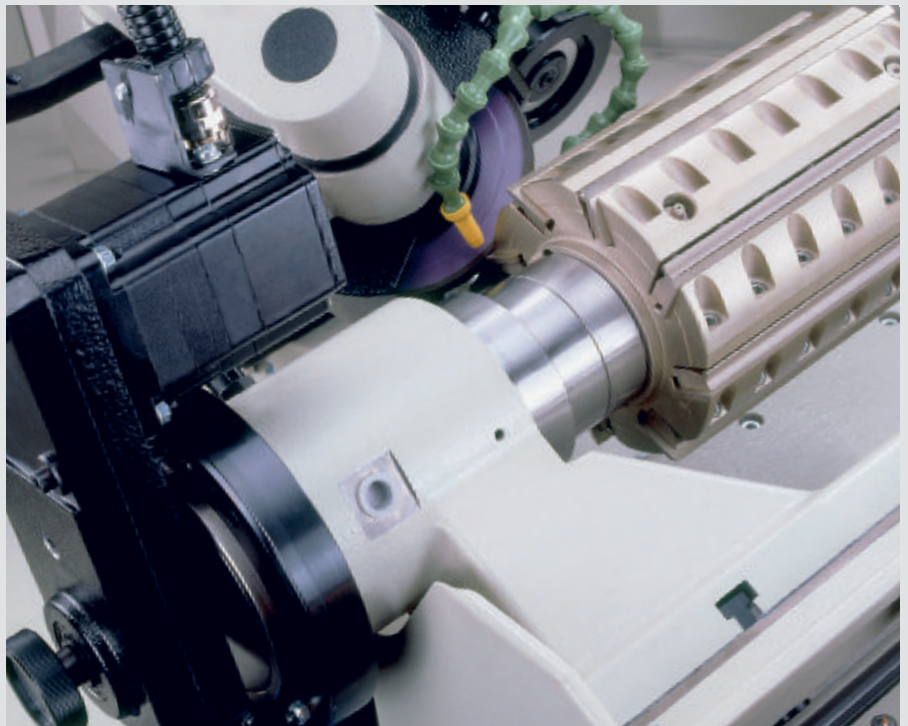
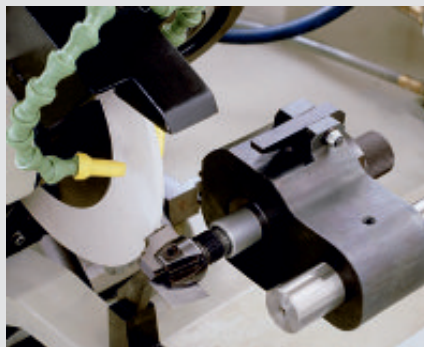
Production packages for the profile grinding machines

Based on our vast experience we provide a complete range of equipment which meets all your production requirements. Packages are available for the Rondamat 960 and 970 for the production of router bits and carbide knives, for jointstone profiling, and for automatic grinding of planer knives in the cutter head and for creating templates. A special all-inclusive comfort package is 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

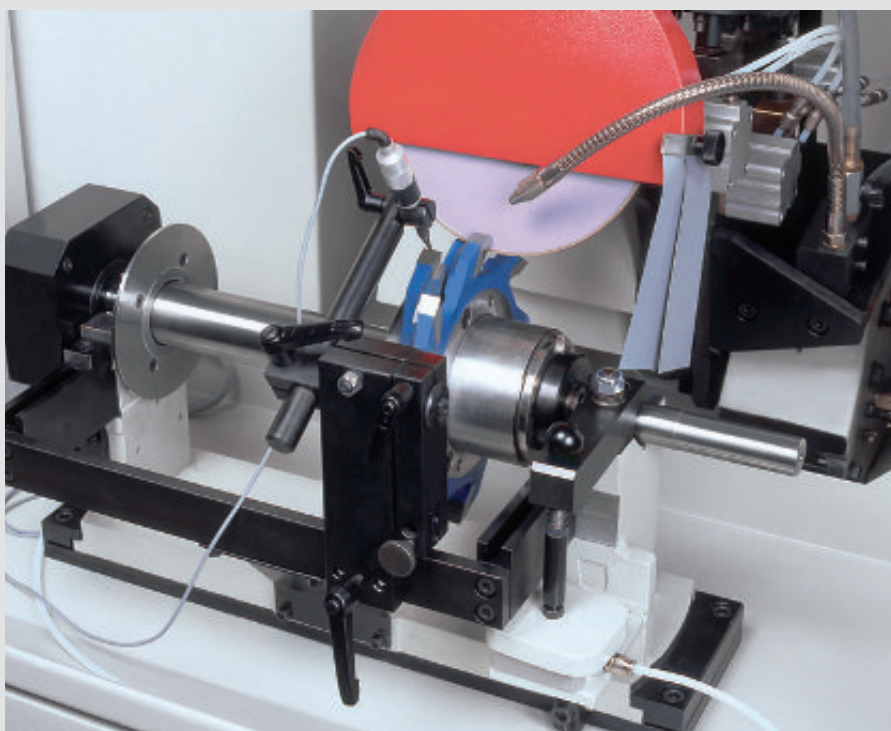
These parts turn your Rondamat into a customised grinding machine. Cutter head grinding packages are available for the Rondamat 980. You can choose between conventional or PowerLock tool clamping fixture for the Rondamat 168. WEINIG has the right grinding system for all tool types. Fully automatic or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

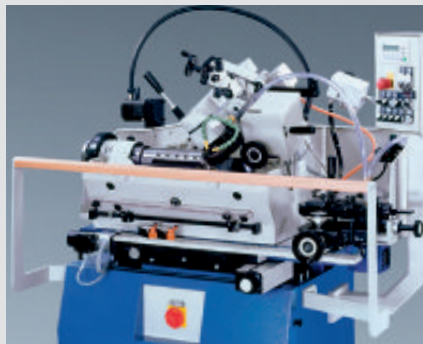
WEINIG template routers

CNC controlled template production – precise, simple and reproducible.



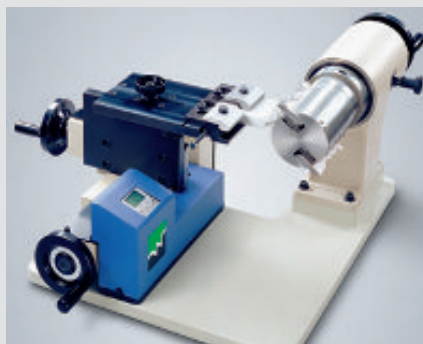
WEINIG Rondamat Series

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

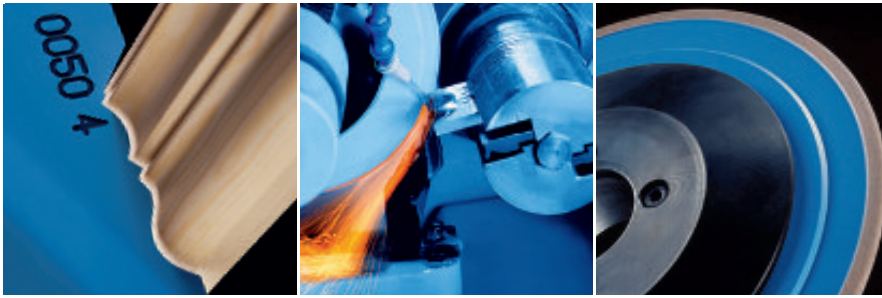
Allows you to prepare the jointstones outside the machine.

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.

	Rondamat 950	
PowerLock system	—	
Maximum tool width, standard	240 mm	
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	100 – 230 mm	
Tool diameter min - max saw blade	100 – 230 mm	
Grinding wheel diameter min - max	150 – 225 mm	
Grinding wheel width	2 – 3 – 4 – 10 mm	
Grinding wheel bore size	60 mm	
Grinding rotations per tool	—	
Number of knives	—	
Number of knives, automatic straight knife grinding	—	
Grinding wheel speed, 4-speeds: 1500 - 1700 - 2400 - 3000 rpm	●	
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	1,1 kW	
Clearance angle grinding on back of knife	15 – 35°	
Side clearance angle grinding, manual	0 – 10°	
Side clearance angle grinding, automatic	—	
Lateral clearance angle grinding for straight knife heads	—	
Coolant tank	50 l	
Motor coolant pump	210 W	
Connection values, total	2 kW	
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 970	Rondamat 980	Rondamat 168
○	○	○	○
240 mm	240 mm	330 mm	240 mm
○	○	--	--
--	●	--	--
--	--	●	--
--	--	●	○
100 – 300 mm	100 – 300 mm	100 – 300 mm	230 mm
100 – 300 mm	100 – 300 mm	100 – 300 mm	350 mm
150 – 225 mm	150 – 225 mm	125 mm	150 mm
2 – 3 – 4 – 10 mm	2 – 3 – 4 – 10 mm	--	--
60 mm	60 mm	20 mm	20 mm
--	--	1 – 10	--
--	--	1 – 36	36
(2 – 16)	2 – 16	--	--
●	--	--	--
○	●	--	--
○	○	--	--
--	--	4.600 rpm	4.400 rpm
1,1 kW	1,1 kW	1,5 kW	1,1 kW
10 – 30°	10 – 30°	15 – 35°	0 – 25°
0 – 20°	0 – 20°	--	20°
--	2,5 – 5 – 7,5 – 10°	--	--
60°	60°	--	--
50 l	50 l	50 l	40 l
210 W	210 W	210 W	90 W
2 kW	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.



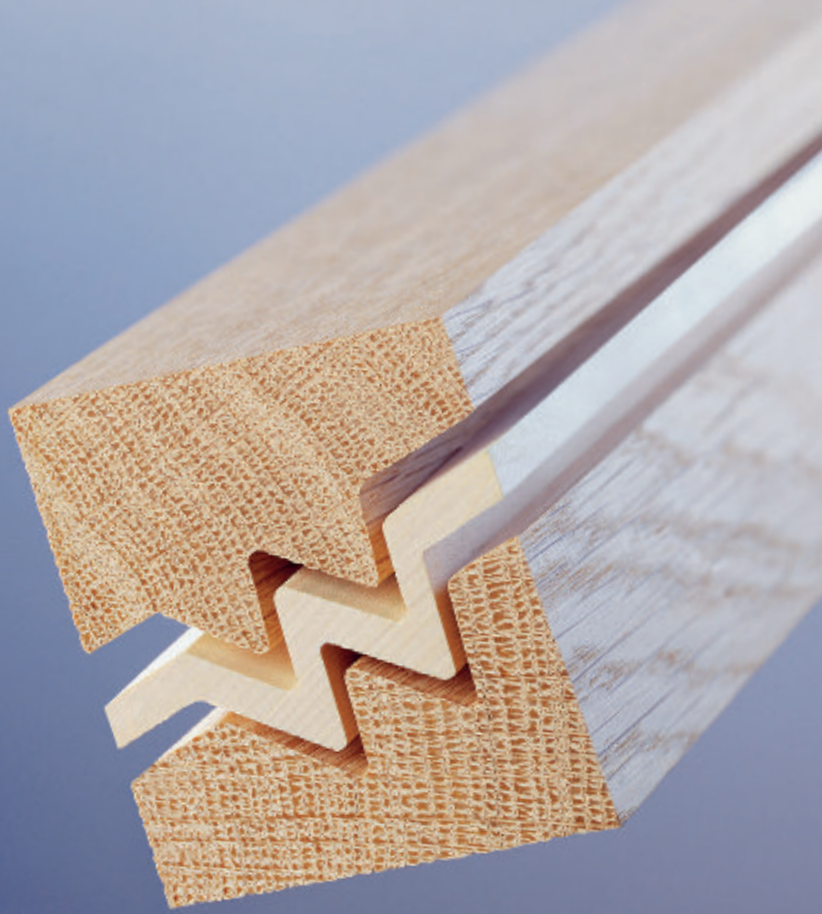
Kaizen

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 automatic moulders

WACO

The No. 1 for high-speed
planers and moulders

GRECON

High-capacity finger
jointing lines

DIMTER

The specialist for
optimizing cross-cut
saws and laminating
presses

RAIMANN

Top technology for
length cutting

CONCEPT

The experts when it
comes to turnkey projects

The WEINIG GROUP: We make all the components of solid wood processing fit together seamlessly

Including full turnkey production plants

To build innovative machines is one thing, to offer complete system solutions is quite another. More and more often, however, our customers want an entire factory, including many different types of machines, from many different manufacturers, but want ONE responsible partner. Then, we involve our WEINIG CONCEPT team. They are top-notch specialists from every segment of

the woodworking processes. They handle everything from the initial planning to the turnkey production plant. Worldwide. With complete responsibility. For you.

A strong team

Each member of the WEINIG GROUP is a leader in its own field of wood processing. This creates market synergy, and you, our valued customer, are the beneficiary of this partnership.



Rondamat Series



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