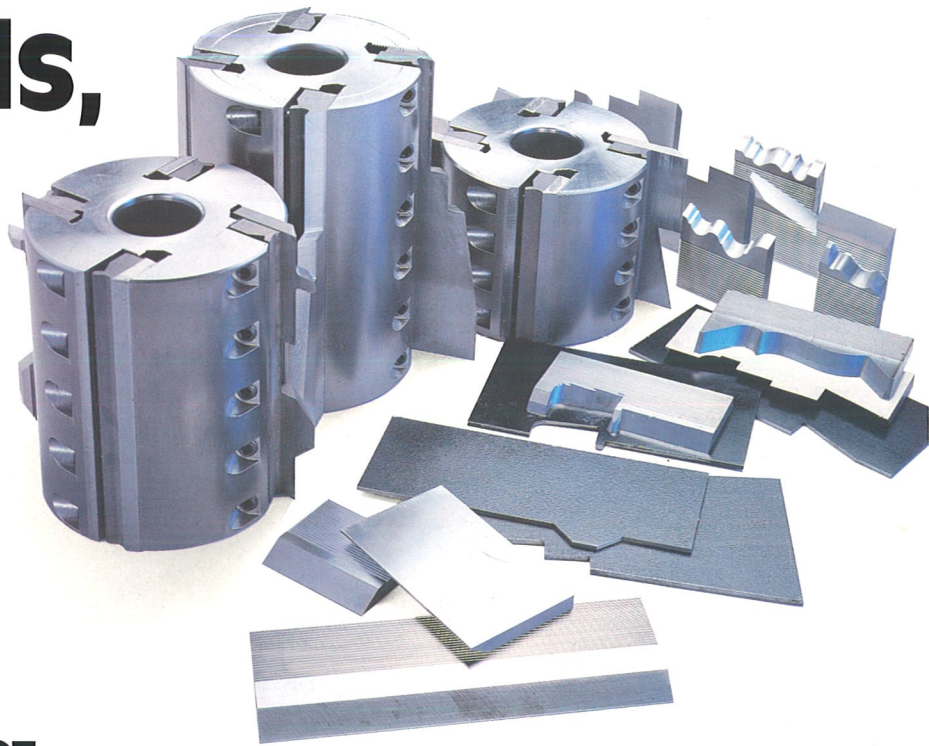




Rondamat
Tool Grinders

While others are still waiting for their tools,

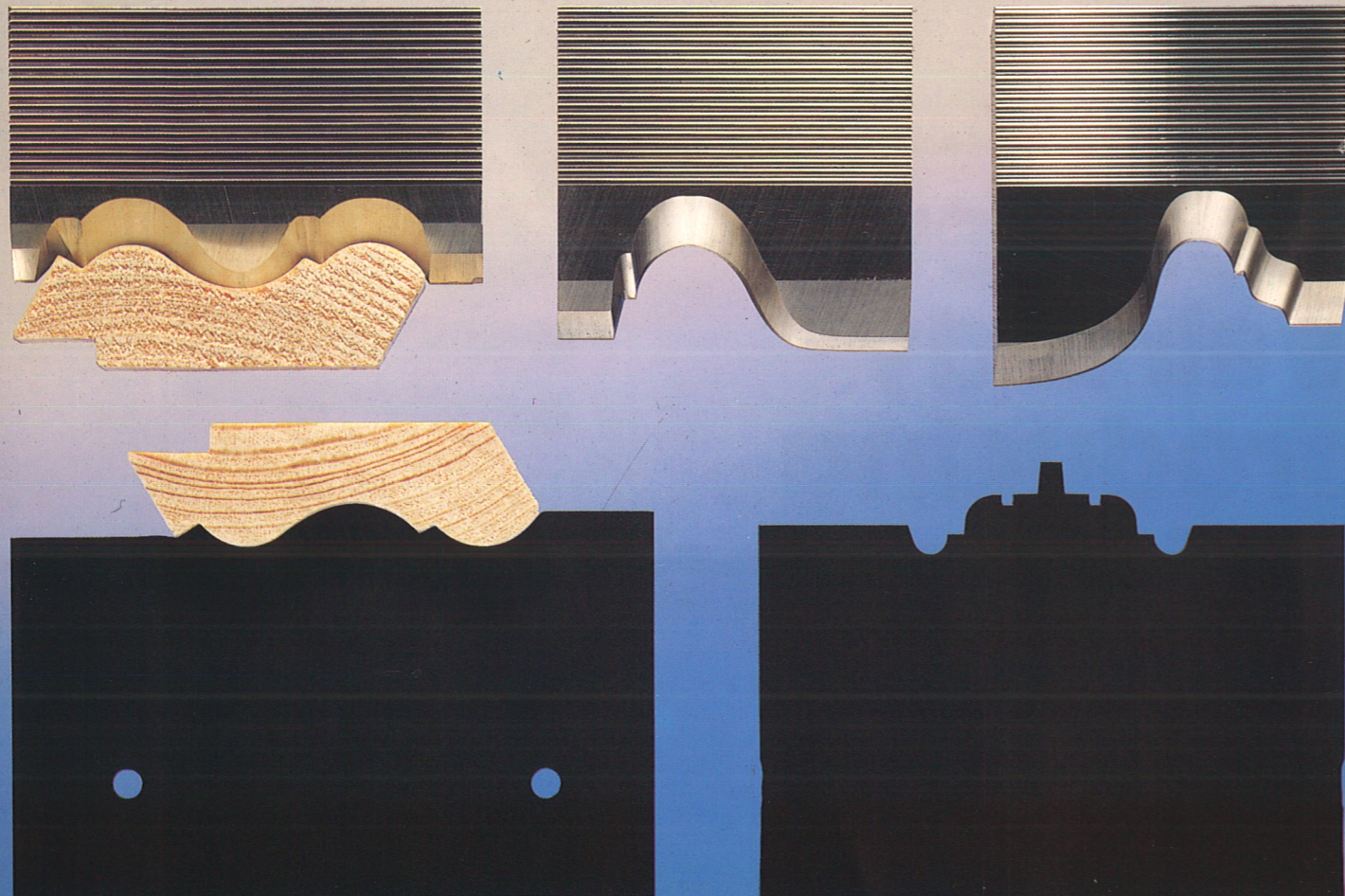
your moulder is already producing at full speed.



The Weinig Rondamat production possible. Y profiles ordered in the same afternoon.

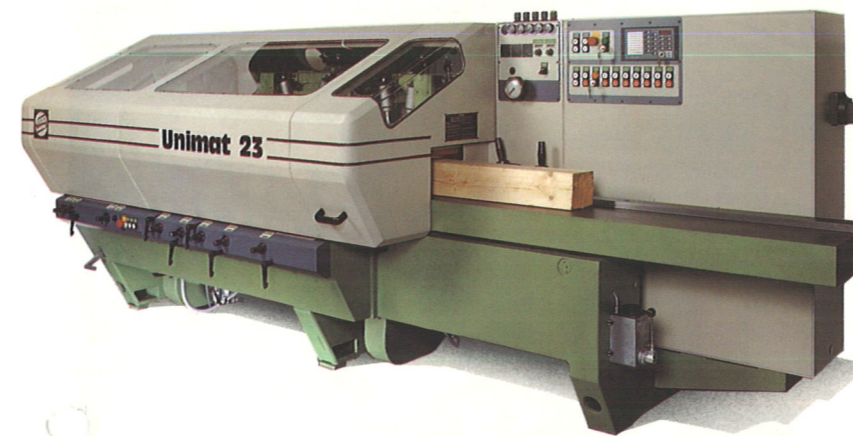
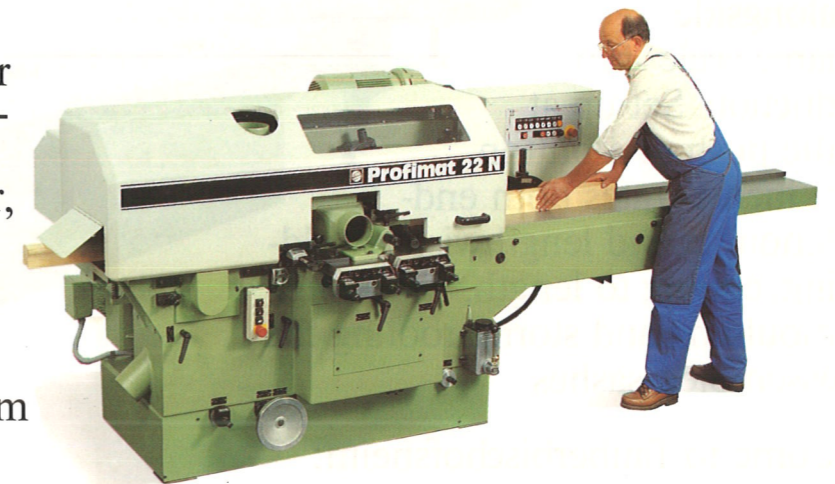
The fastest high-speed moulder is of no use, if you cannot equip it with tools. Set-up time-reduction systems are of little value if you have to wait for the profile knives. As long as you are not producing and re-sharpening your tools yourself, you are no faster than

your tool supplier. A Weinig Rondamat tool grinder can make you independent of tool suppliers, and it is built with the same top quality as a Weinig moulder. With the Rondamat you can produce any profile and achieve true-to-profile dimension perfection.



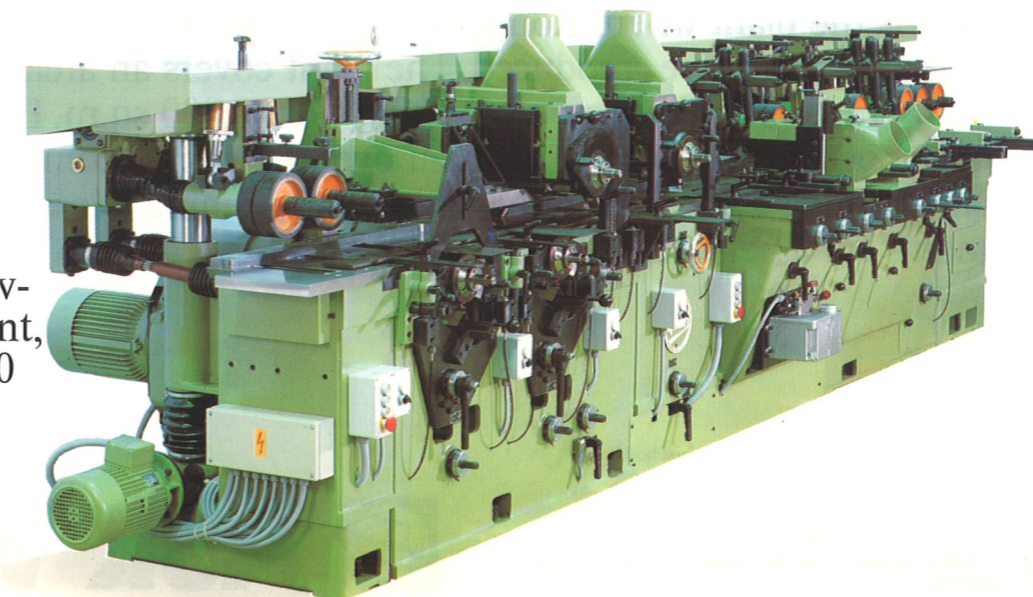
Weinig offers more.

The Weinig Profimat. Moulding and planing centre for small and medium sized companies. An ideal supplement for large companies. The best-seller, favourable in price but universal in operation - and with prompt delivery. Equipped with four, five or six spindles and available with many options from universal to ATS-computer.



The Weinig Unimat. There is no moulder in the world with which you can earn as much money as with this machine. No other moulder is used in so many workshops. In window and door factories, in furniture factories and in the production of linear mouldings. The Unimat is easier to adapt to specific production requirements than any other. It performs all operating tasks demanded of a flexible moulder.

The Weinig Hydromat. Heavy, wide and fast. The planing/moulding system with any conceivable spindle arrangement, feed speeds of up to 200 m/min. producing a surface quality your competitors can only dream of.



A lot of technique.

Rondamat		909	912
Grinding wheel diameter planer heads solid cutters		125 mm -	125 mm 150 mm
Grinding wheel bore		20 mm	20 mm
Tool diameter	min.	85 mm	80 mm
	max.	225 mm	280 mm
Tool width	max.	330 mm	430 mm
Grinding wheel drive		1.1 kW (1.5 HP)	1.1 kW (1.5 HP)
Grinding spindle speed		n = 4,000 r.p.m.	n = 4,600 r.p.m.
Clearance angle in degrees	radial (back)	15° to 35°	15° to 35°
	axial	-	15°
Coolant tank capacity		125 litres	100 litres
Total connected load		1.5 kW (2.1 HP)	1.5 kW (2.1 HP)
Standard voltage		380 v / 50 cy	380 v / 50 cy
Feed speed of table	max.	650 mm/min.	infinitely variable
Programmable grinding passes per knife		1 to 5	1 to 9

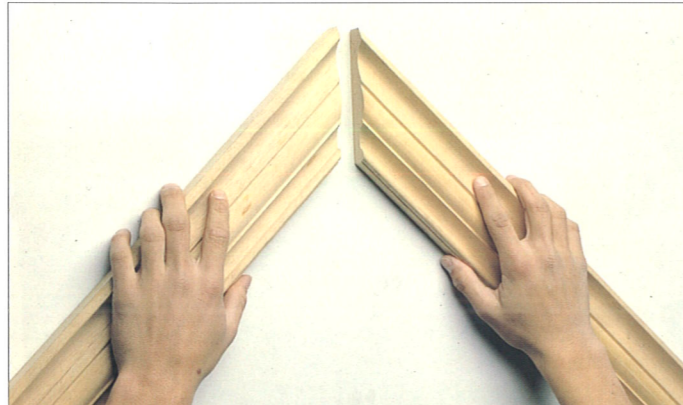
Statements and illustration in the brochure may include optional equipment.

Subject to technical alterations.

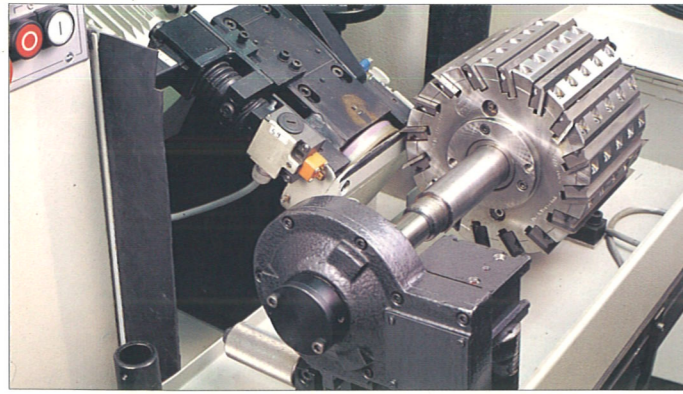
makes just-in-time you can supply new the morning by that

No risk of any distortion when re-sharpening, and it works with different knife materials. You achieve a high quality surface finish of your products which will cause a stir with your customers and competitors. You can choose from a range of Rondamat models

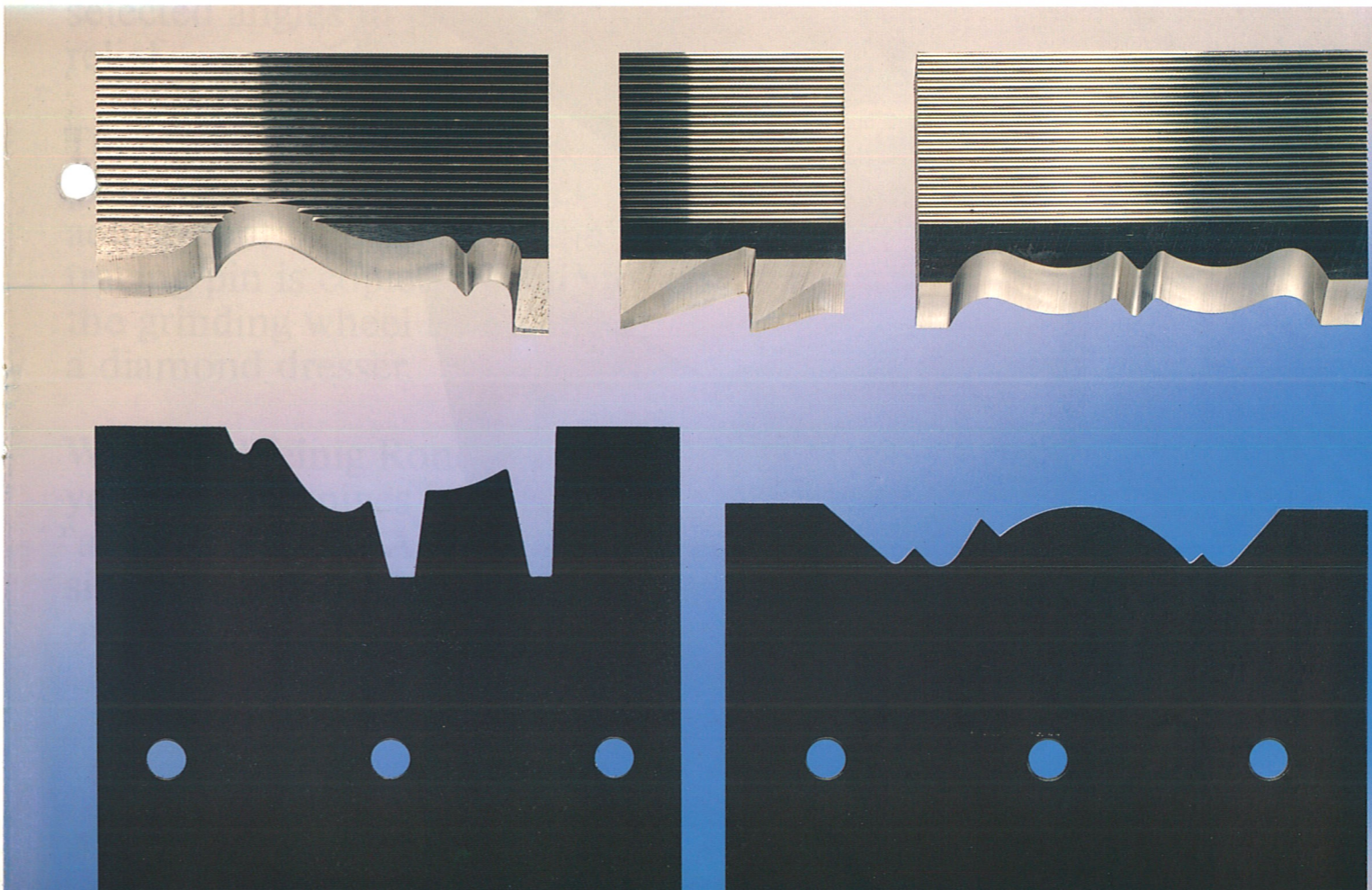
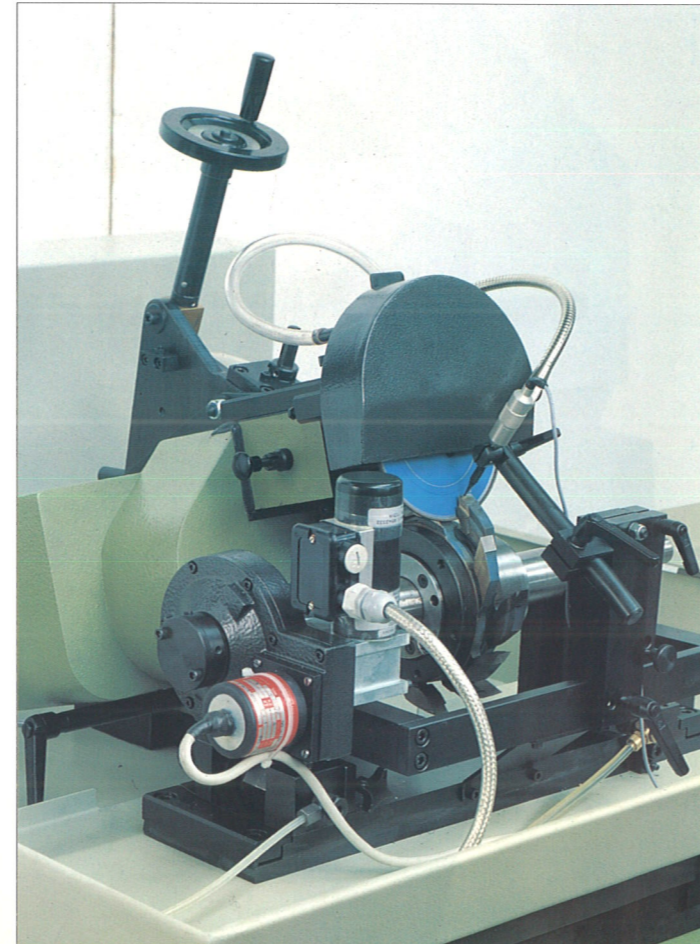
starting with the basic low-priced version up to a technically advanced automatic version; from a specialized grinder for planing knives up to the most versatile grinder for profile knives.



▲ Fitting accuracy is not accidental. Grinding on the Rondamat.



▲ Concentric grinding of a Hydro-Rotaplan cutterhead with knives. Maximum precision: grinding of a Hydro cutter. ►

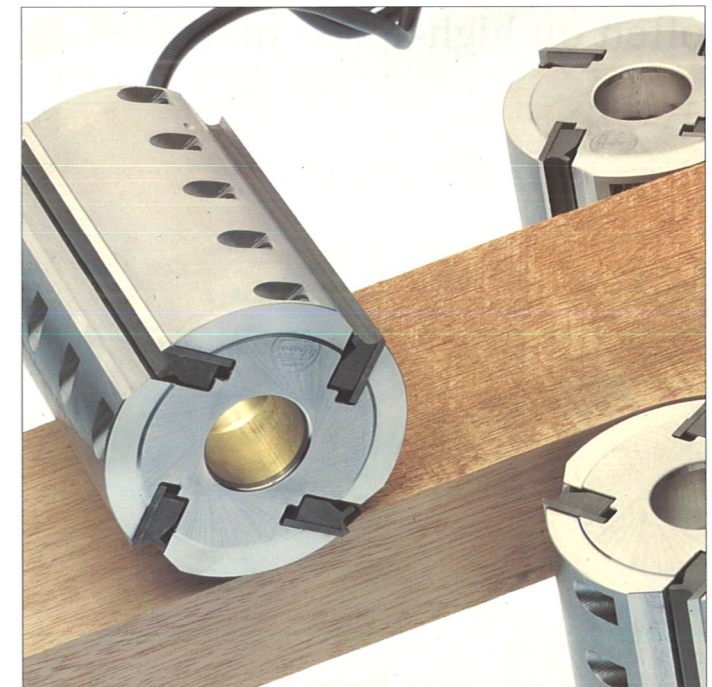


Weinig Rondamat 936. The automatic version.



Automatic grinders for planer heads and solid cutters.

If you have a lot of planer heads or solid profile cutters to grind, then you should consider one of these Weinig grinders. These two models automatically sharpen without the need for an attendant operator, resulting in substantial savings in personnel cost. They have been developed to meet the requirements of high-speed machines and are designed for optimum concentricity. The more precisely you grind the planer head, the smaller the joint-heel is. This means you can joint the knives more often before you have to regrind them, and you get a higher quality surface and perfect workpiece dimensions.



A lot of technique.

Rondamat		925	934	936
Grinding wheel diameter	min.	150 mm	150 mm	150 mm
	max.	225 mm	225 mm	225 mm
Grinding wheel width	ceramic	5 mm	5 mm	5 mm
	borazon	10 mm	10 mm	10 mm
Grinding wheel bore		60 mm	60 mm	60 mm
Tool diameter	min.	100 mm	100 mm	100 mm
	max.	230 mm	300 mm	300 mm
Tool width	max.	240 mm	240 mm	240 mm
Grinding wheel motor		1.1 kW (1.5 HP)	1.1 kW (1.5 HP)	1.1 kW (1.5 HP)
Grinding spindle speed		1,700 r.p.m. 2,000 r.p.m. 2,400 r.p.m. 3,000 r.p.m.	infinitely 0 to 3,000 r.p.m.	infinitely 0 to 3,000 r.p.m.
Clearance angle, in degrees	radial (back)	15° to 35°	10° to 30°	10° to 30°
	axial	0° to 10°	0° to 20°	0° to 20°
Inclinable for planer heads up to	axial (automatic)	-	-	2.5°-5°-7.5°-10°
		-	60°	60°
Coolant tank capacity, approx.		50 litres	50 litres	50 litres
Total connected load		1.2 kW (1.6 HP)	1.5 kW (2.1 HP)	1.5 kW (2.1 HP)
Standard voltage		380 v / 50 cy	380 v / 50 cy	380 v / 50 cy
Optical comparitor screen, magnification		-	20 : 1	20 : 1
Feed speed of table		-	0 to 142 mm/min.	0 to 142 mm/min.
Adjusting motor for clearance angle		-	-	approx. 80 Watt
Adjusting motor for grinding wheel		-	-	approx. 80 Watt
Indexing motor for 2 to 16 knives		-	-	approx. 25 Watt

Statements and illustration in the brochure may include optional equipment.

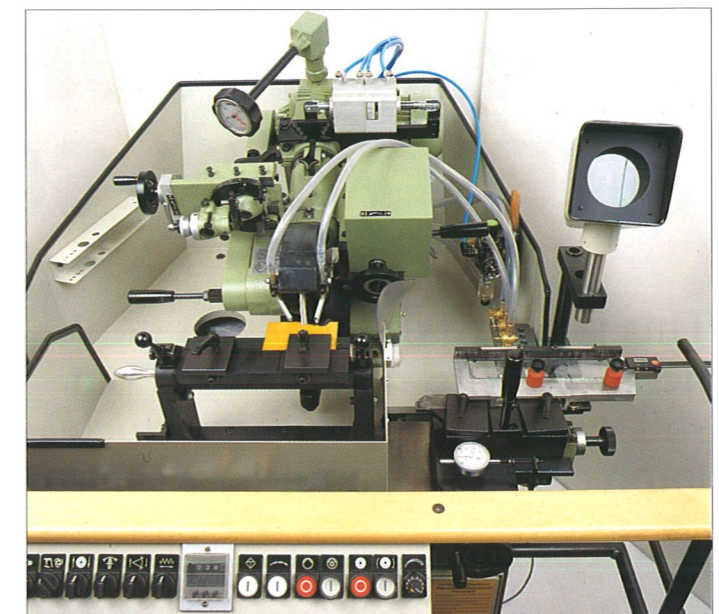
Subject to technical alterations.

A lot of extras.

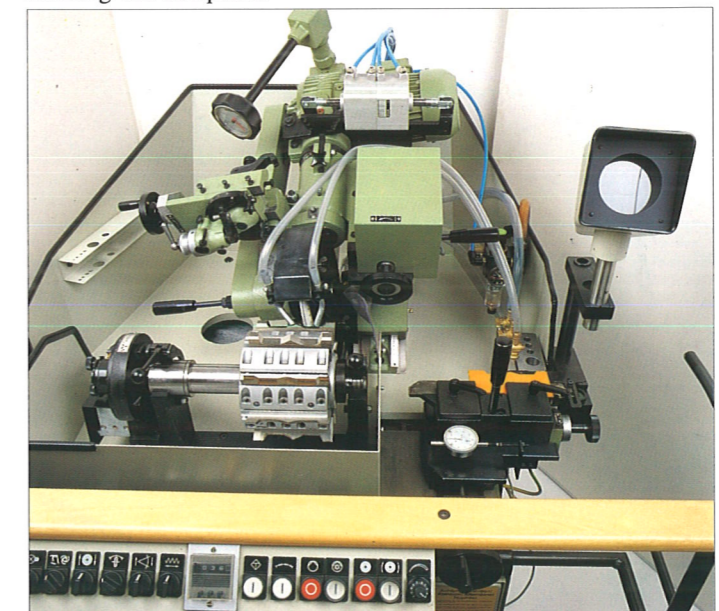
Grinding wheels for HSS knives.
Grinding wheels for stellite knives.
Grinding wheels for carbide-tipped knives.
Tool kit for the production of templates.
Rondamat for 350 mm working width.
Attachment for grinding of router bits.
Attachment for profiling a jointer stone according to a wooden sample.
Attachment for reversible tipped carbide tools.
And much more.

Never before could you bring a new profile into production so quickly. This automatic machine not only produces profile knives but also the profile template. You simply trace the contour of your profile drawing or wooden sample on an optical comparitor screen with 20:1 magnification. Users report up to 80 % time-savings compared to the manual production of the template. The profile knives are then finished within minutes. Re-sharpening of profile knives and planing knives - up to 16 knives - is done in the cutterhead automatically. The template guarantees absolute precision.

The grinding wheel is clamped hydraulically for fast and precise changes. The exact shape of the tracing pin is then transferred to the wheel using a precision diamond dresser. Radial adjustment of the grinding wheel and the desired tool back clearance angle are both set quickly with motorized adjustments. From there on it is automatic, including programmed changes in side clearance angle while you are grinding.



Making the template.



Forming and sharpening of profile knives.



Grinding planing knives.

Weinig Rondamat 934. The best-seller.

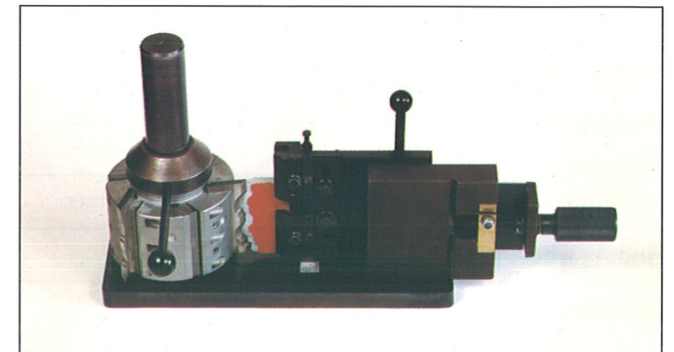
This is the best buy if you don't need the automatic version but still want to be able to produce templates with about 80% time-

savings. This model also offers the high concentricity precision required for high-speed jointed moulders.

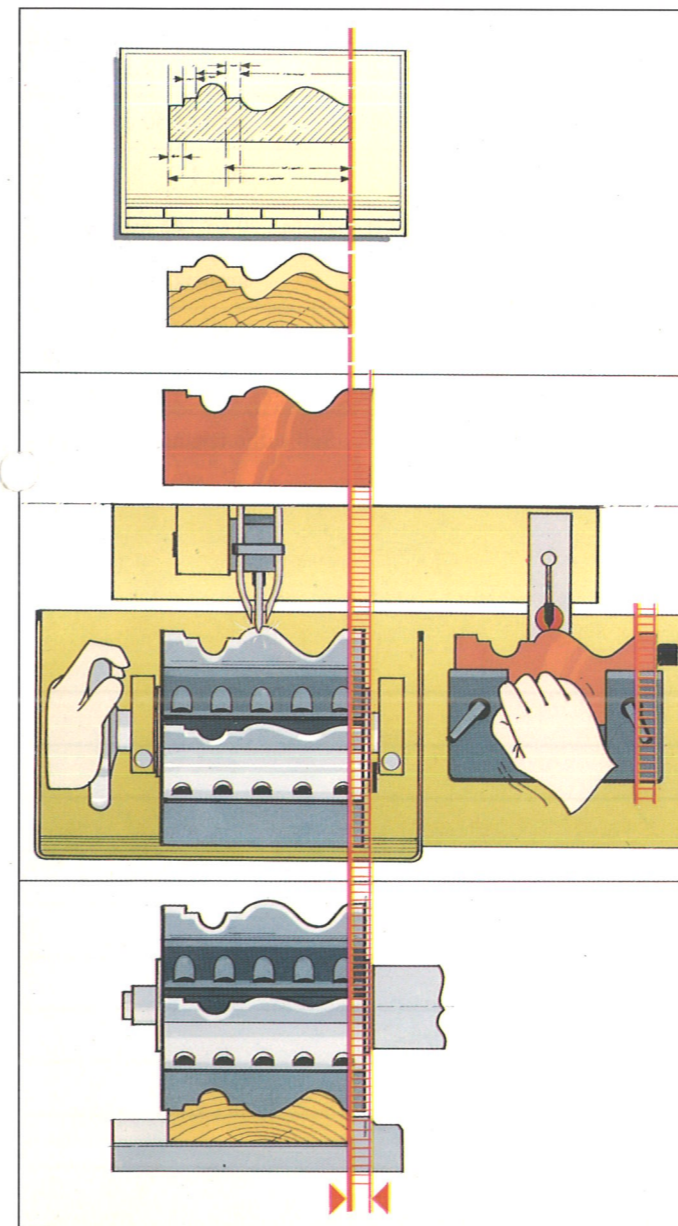


The Weinig set-up time-savers.

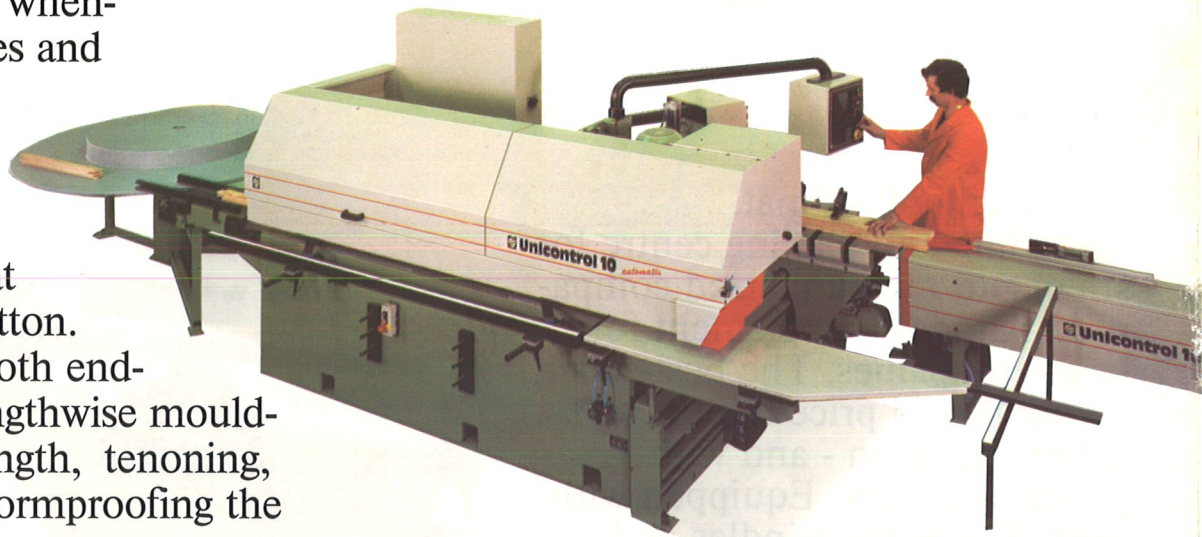
Up to 50% reduction in set-up time is achieved with Weinig's Axial Constant System which is standard on all Rondamat models. Profile knives are ground to a constant dimension which eliminates the need to axially adjust the spindles on the moulder.



High-speed moulders require that all knives in the cutterhead are cutting, and this is where jointers are needed. The Weinig jointer pre-setting device saves expensive downtime. In the tool-room the jointstone is mounted in a cassette, then aligned perfectly to the profile tool with a common axial reference point. This eliminates complicated adjustments on the moulder.



The Weinig Unicontrol. The window machine. The machining centre for efficient production of wood windows in small and medium-sized companies. It also solves problems arising whenever small batches and specials are required alongside large-scale production. Set-up at the push of a button. It incorporates both end-tenoning and lengthwise moulding, cutting to length, tenoning, moulding and stormproofing the assembled sashes.



Come to Tauberbischofsheim:



This is the plant where Rondamat, Quattromat, Profimat, Unimat, Hydromat and Unicontrol are produced. The plant covers an area of 120,000 sq.m., with production facilities accounting for 40,000 sq.m. Every year, thousands of woodworking experts from all over the world come to the demonstration and training centre for information and training. Please call to make arrangements for a personalized visit.

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Ask Weinig.