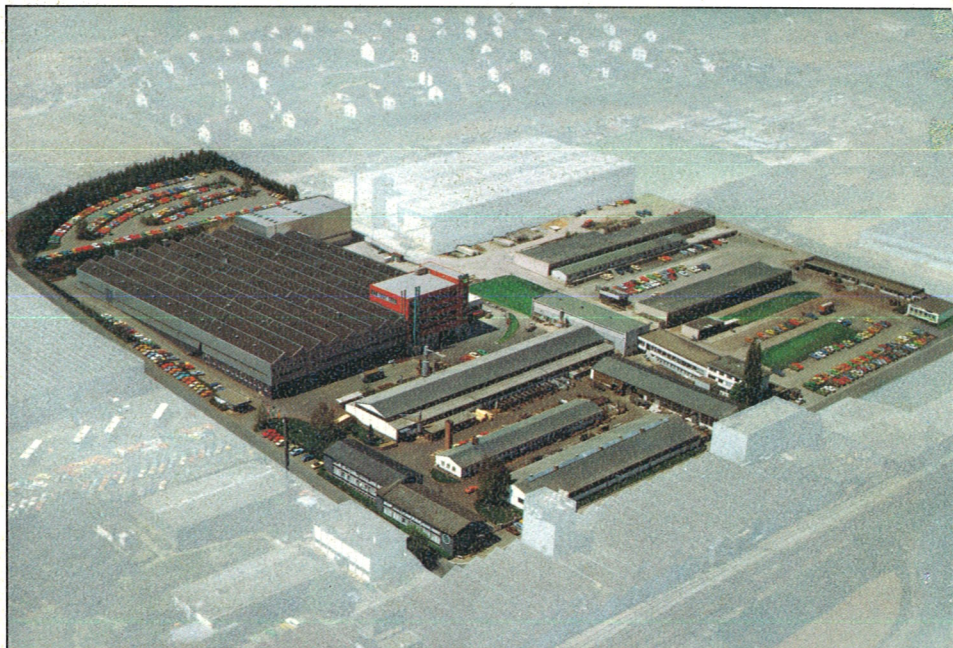




**Michael Weinig**  
GmbH & Co. Kommanditgesellschaft

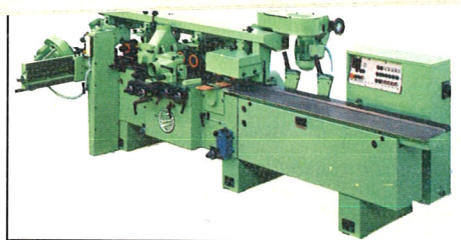
**Michael Weinig (UK) Ltd.**  
Unit A1 Watlington Industrial Estate  
Watlington, Oxfordshire, OX9 5LU  
Telephone: Watlington (049161) 3131:2:3  
Telex 849128 WEINIG



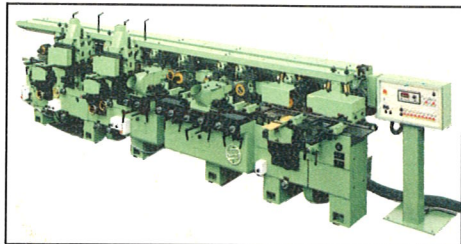
Aerial photograph of our factory in Tauberbischofsheim  
(publication approved by Reg. Präs., No. 9/54571)



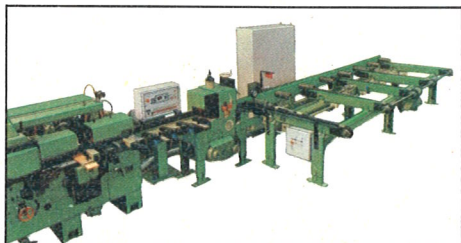
Large-batch manufacture on a production line



Unimat



Hydromat

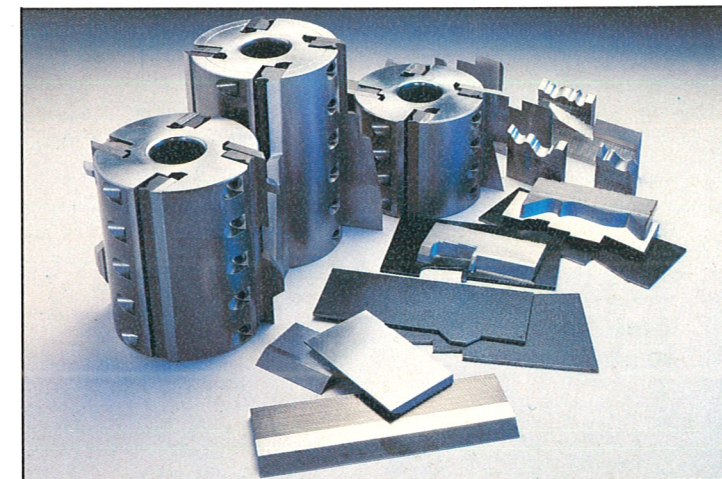
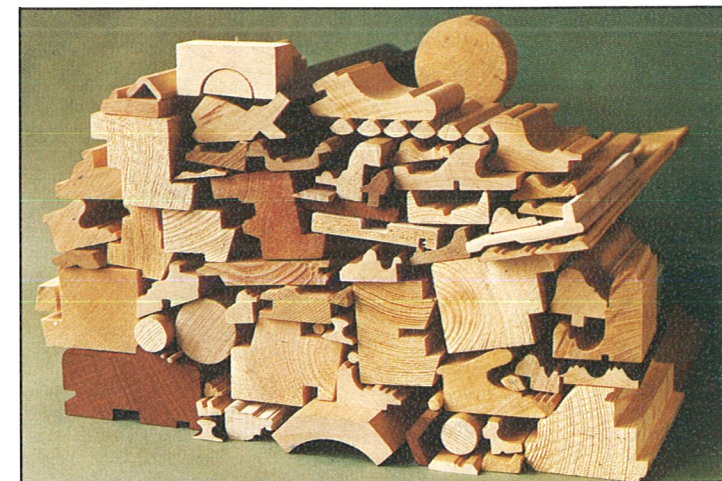


Material handling equipment



Original Weinig tooling

# If you make mouldings, you need a **Rondamat**



**And no one makes a better  
profile grinder than**





# Rondamat: accurate, e



## Model 930

Standard profile  
knife grinder

The Rondamat has revolutionized the moulding industry by resolving all the previous problems relating to profile knives: the time consuming hand grinding operations; the dependence on specialized tools and tooling services; inaccurate profiles; long deliveries; and use of expensive solid profile cutters.

This development on tool grinding brings tooling technology in line with the constant progress being made in the moulder field by Weinig. We all know that to achieve a high quality

surface finish the tooling must play a vital rôle and the Rondamat grinder will guarantee to meet this demand. In addition, there are numerous other benefits, some unique.

Now it is possible to give your customers the personally designed mouldings they have been demanding. And you can make profile cutters efficiently, accurately and economically, in your own workshop, and in a matter of minutes. This applies to the most intricate and delicate moulds. And what is more, there is no need for

## Technical data

### Rondamat 930/931

High precision floating table for cutter block mounting provides grinding concentricity tolerance below 5/1000 mm	931 only
Maximum cutting tool diameter	300 mm
Minimum cutting tool diameter 931	100 mm
Minimum cutting tool diameter 930	70 mm
Maximum cutting tool width	230 mm
Maximum grinding wheel diameter	225 mm
Grinding wheel bore	60 mm
Grinding wheel width	5 mm
Motor for grinding wheel (1.1 kW)	1.5 h.p.
Rotation of grinding wheel 4 speeds (1)	1,720 rpm
By V-belt stepped pulley (2)	2,000 rpm
(3)	2,500 rpm
(4)	2,820 rpm
Coolant tank capacity approximately (sediment tank). (100 litres)	22 gallons
Machine dimensions approximately	
Height (1650 mm)	65 "
Width (1100 mm)	44 "
Depth (1080 mm)	43 "
Net weight approximately	800 kg

### Standard equipment - included free with all models

- 7 Grinding wheels for pre-grinding HSS knives
- 3 Grinding wheels for finish-grinding HSS knives
- 2 Grinding wheel adaptors
- 1 Mounting arbor, 40 mm diameter (alternate size can be supplied in lieu)
- Material for templates
- Dressing diamond
- Tracing pins
- Comprehensive set of tools

### Optional extra equipment

- Machine equipped to accept 350 mm wide cutter blocks
- Infinitely variable adjustment for grinding wheel revolutions
- Tool kit for production of templates including electric hardening oven
- Borazon grinding wheels
- Diamond grinding wheels (various forms available)
- Additional arbors - sizes to suit requirements
- Device for grinding straight planing knives up to 230 mm length outside the cutterhead. Cutting angle 30° and 48°
- Setting device for constant tooling.
- Measuring device for constant tooling.

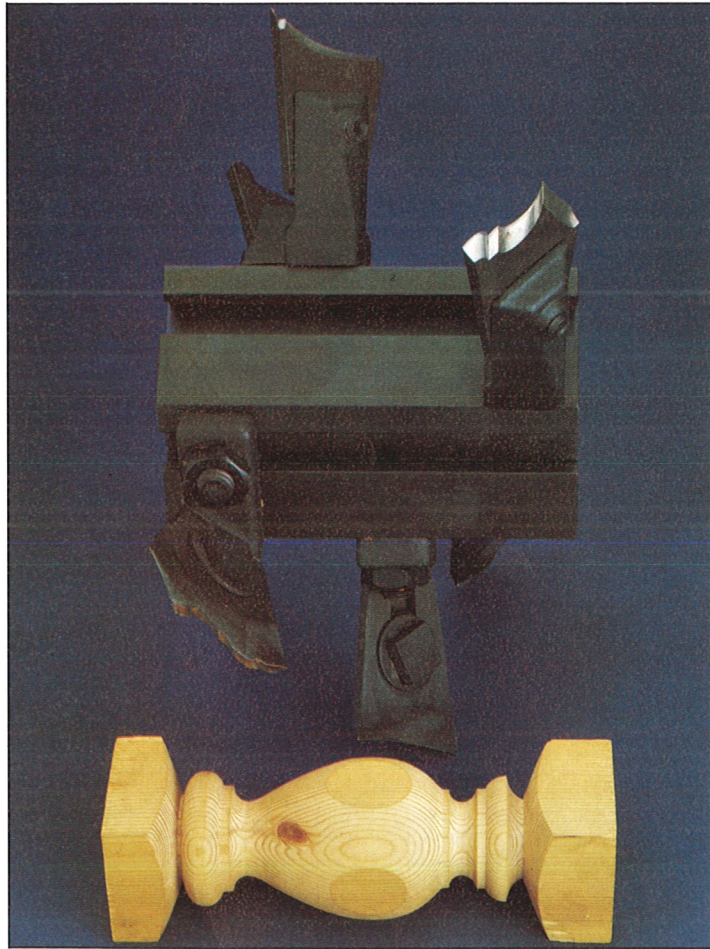


**Think moulders - think Weinig.**



# Special equipment

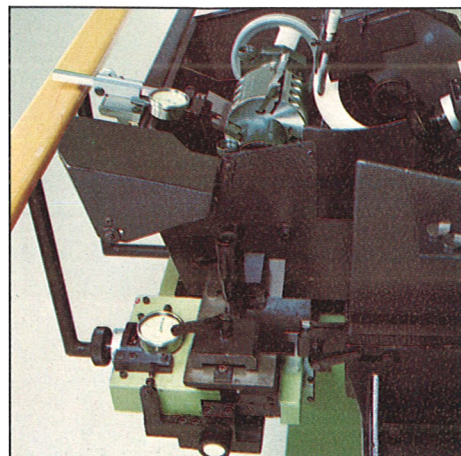
We pride ourselves in catering for every detailed requirement relating to our customers' needs. This involvement means the manufacture of equipment designed to enhance our range for your specific and specialist demands.



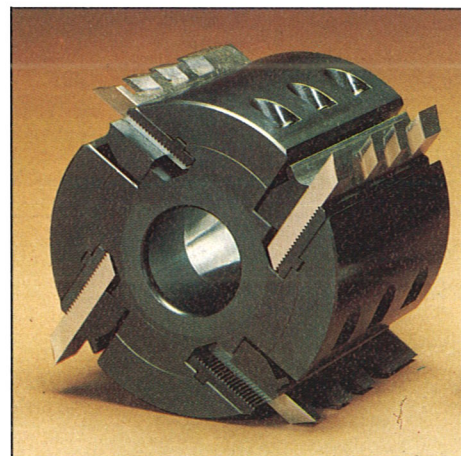
Example of rotary lathe cutter head ground to profile on Rondamat 930 L version.



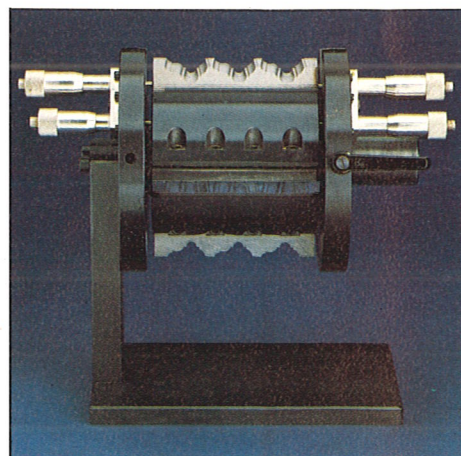
A comprehensive tool kit is available, which includes an electric hardening oven, for the manufacture of templates.



Rondamat 931 with constant tooling attachment, enabling grinding of Weinig constant tooling system. (Can be retro fitted to existing 931 grinders).



Weinig constant diameter cutter head. The tool system for saving downtime with repeatable constant cutting circle.



Setting stand for constant diameter tooling. Adjusts cutting circle back to constant diameter.

# Efficient and easy to use.



## Model 931 De luxe high precision, profile knife grinder

your operator to have any particular expertise or highly developed grinding skills. Anybody can do the job and reach peak performance almost immediately.

The template is the key. It ensures "true-to-profile" grinding and regrinding. And repeatability is guaranteed.

The Rondamat has made profile knife grinding a commercial proposition. Costs are low because you use inexpensive blanks. So now you can react quickly to customers' demands and

market changes, and have all the control within your own organization.

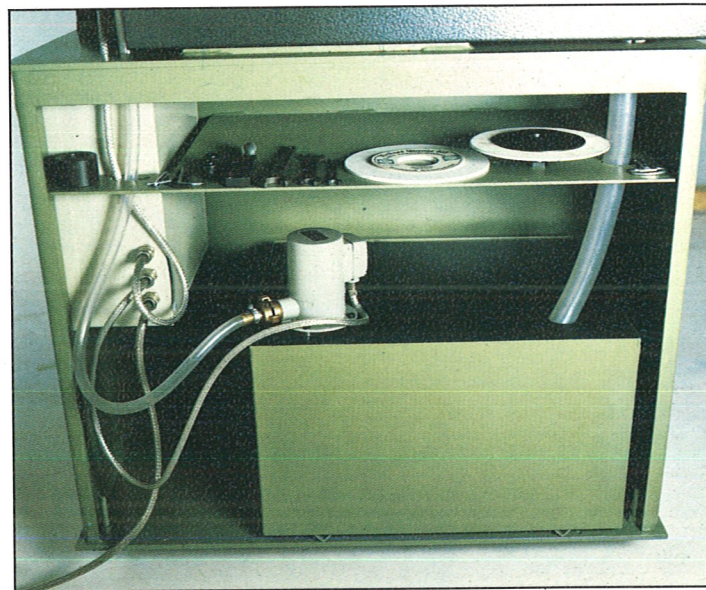
Weinig offer two models, the Standard 930 model and the De luxe 931 for the user who wants the highest possible degree of precision, i.e. below 5/1000 mm. Both models produce cutters from high speed steel, stellite and carbide tipped blanks.



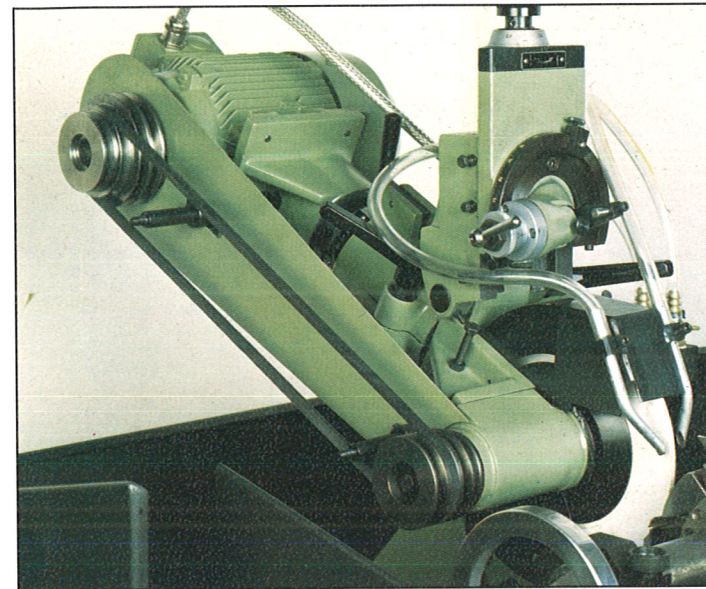
# The Rondamat meets all your profile grinding needs



Effortless grinding and absolute accuracy are guaranteed by the floating linear table (on Model 931).



The 22 gallon double sediment tank filters out magnetic and non-magnetic swarf. The storage shelf is handy for tools, grinding wheels and spares.



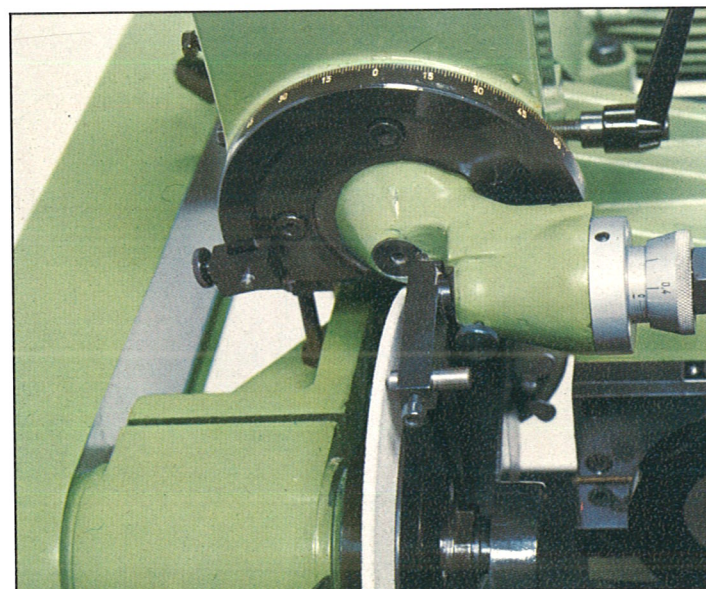
A four speed belt change is standard on the Rondamat 930 and 931, covering all general grinding requirements.



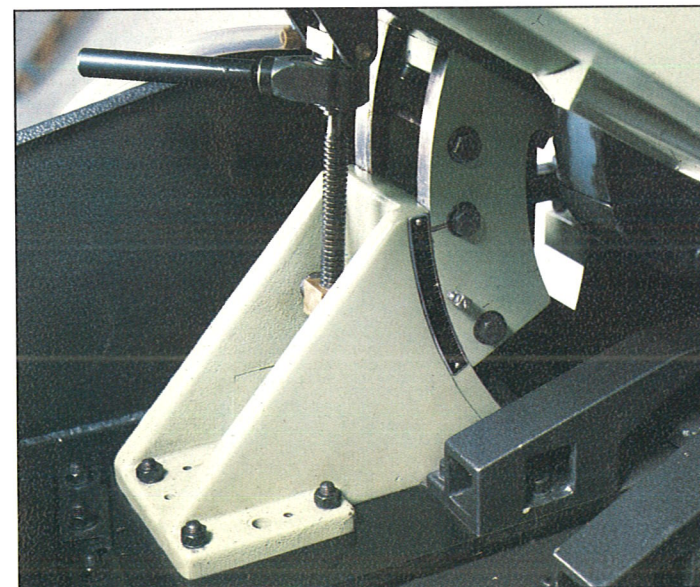
For extra convenience and very high quality grinding an infinitely variable wheel speed is available for all models. Highly desirable for carbide grinding, where a precise wheel speed is required.



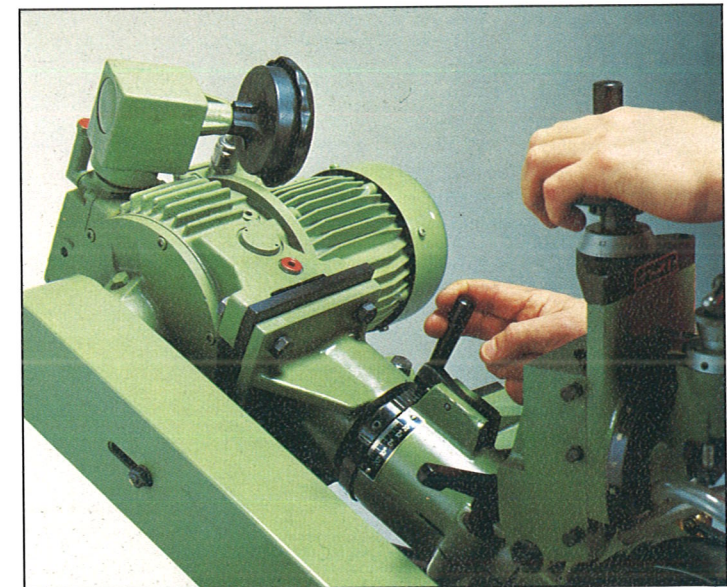
Wheel dressing is carried out in absolute safety well above grinding wheel, coolant, swarf and cutters. Angle dressing of the wheel can be achieved to within 1° accuracy.



A vernier scale guarantees precise wheel dressing and thicknessing. The use of tapered flanges ensures quick and accurate wheel changing and eliminates excessive dressing.



Adjustments of between 10°–30° are available for back clearance. This permits grinding of a secondary bevel and also straight knives. For certain profiles a lateral adjustment of up to 10° can be made.



Side relief is adjustable up to 20° right and left; an important benefit being that re-dressing is not required between changing relief angles.