

Automatic precision grinder

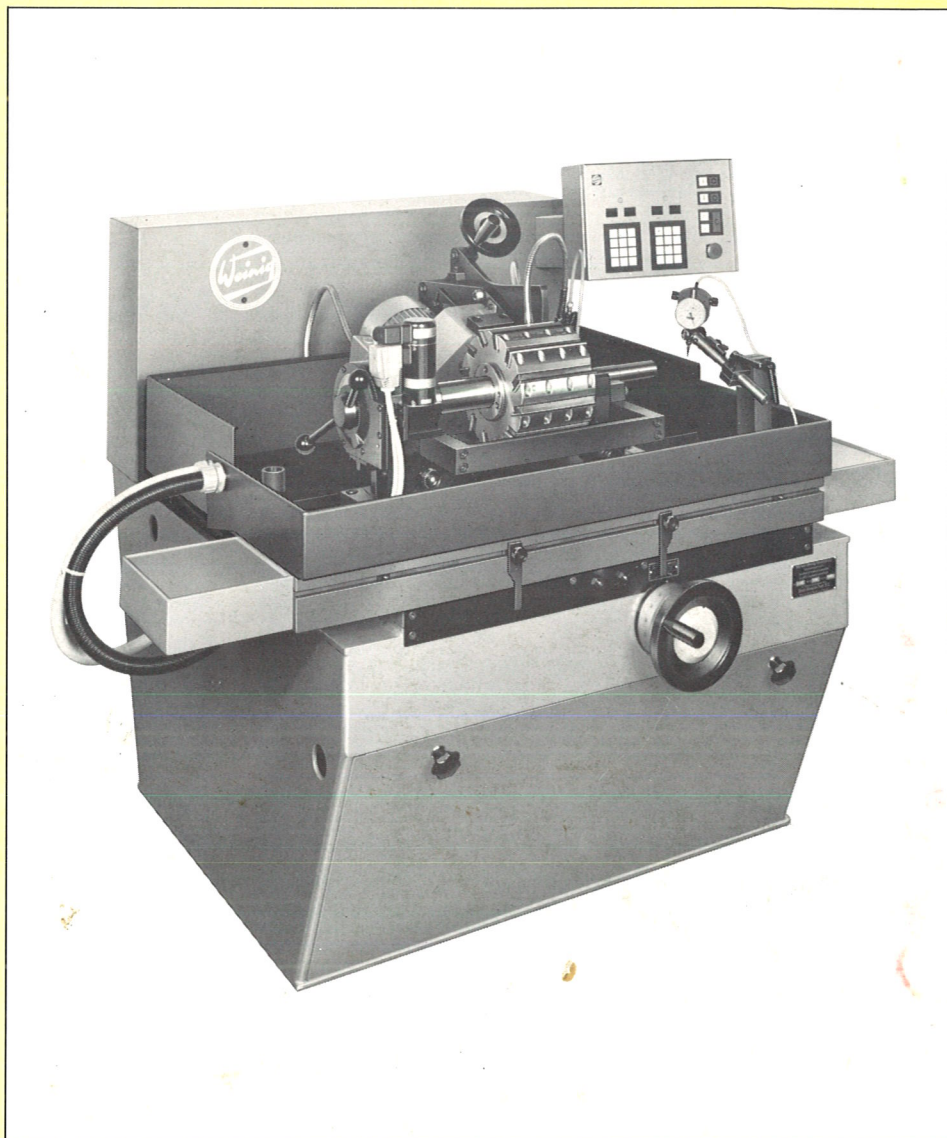
Ronda



mat 912

High-precision grinder for automatic grinding of straight knife-cutter heads and solid cutters. Programmable for plunge-cut back-grinding of cutter heads, plunge-cut face-grinding and swing grinding of cutters. Electronic control for fully automatic working process with up to 9 programmable grinding operations and intermediate grinding wheel adjustment. Automatic dividing attachment for all common divisions adjustable on keyboard with visual display. The machine is automatically switched off by the control when the programme is finished.

Hydraulic feed with infinitely variable working speed for plunge-cut grinding and swing grinding. Intensive cooling of cutting edges enables high chip removal without overheating the tool. Grinding movement up to max. 500 mm. Machine in high-precision execution for grinding to concentric running of hydro tooling.

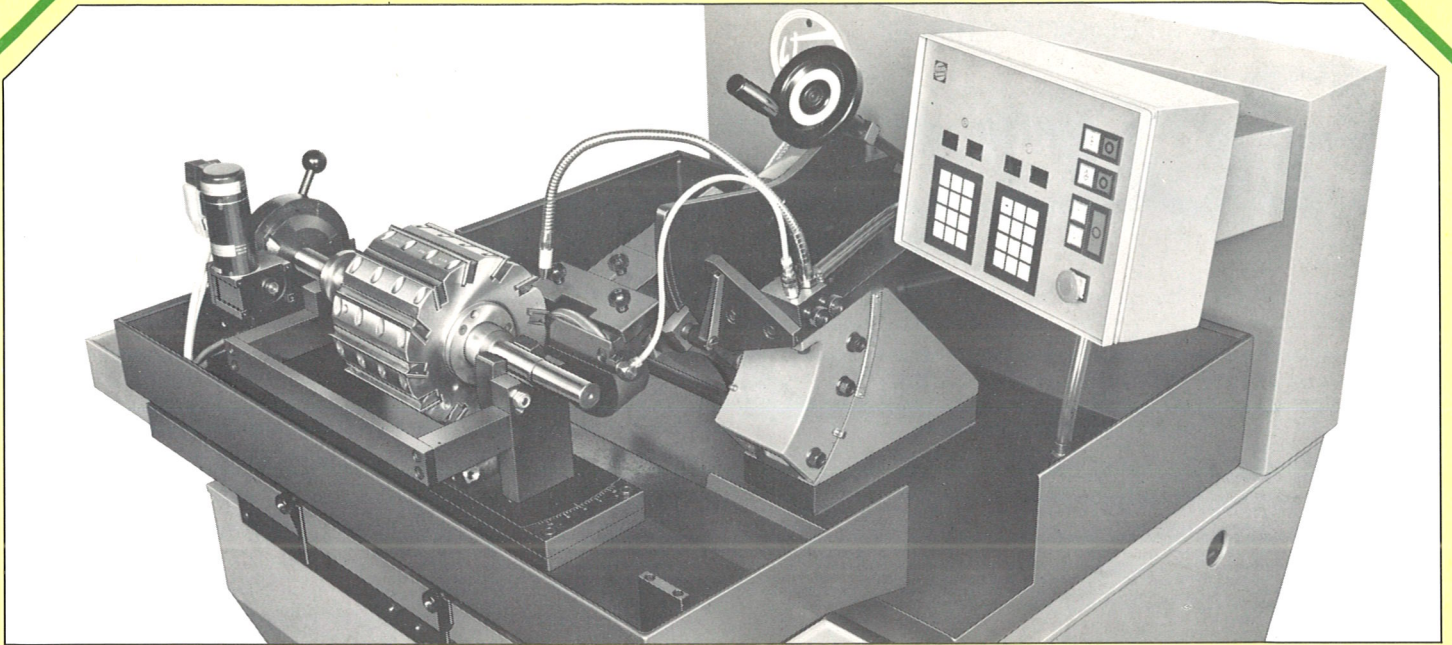


Grinding programmes:

Straight knife-cutter heads Back grinding of planing knives on a carbide-tipped grinding rest compensating faults at the cutter head or the knife.

Solid cutters

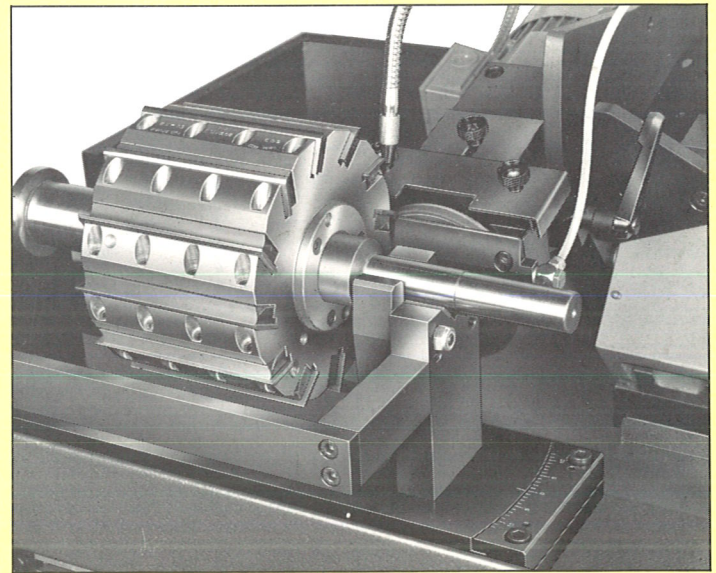
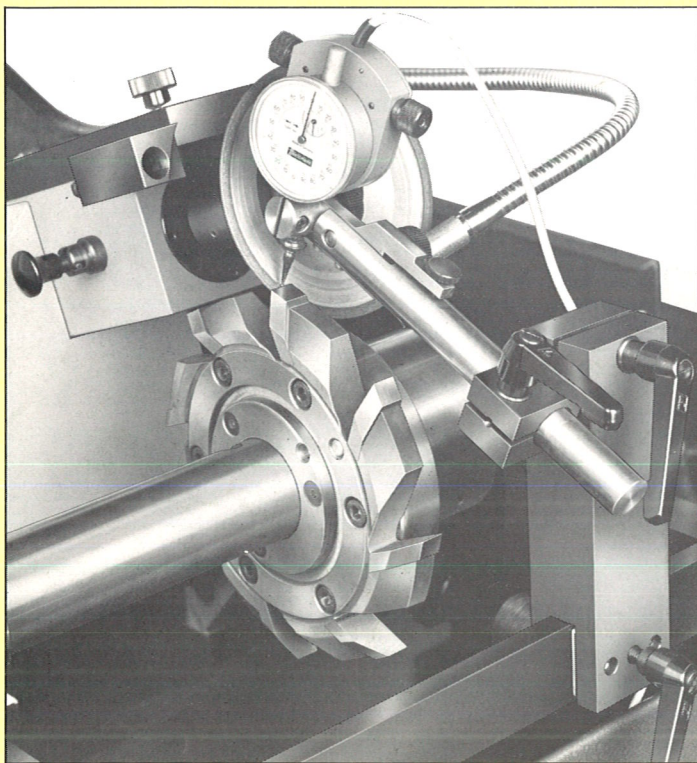
Face grinding with automatic grinding wheel adjustment, combined with automatic measuring control over the cutting circle by rotating of the cutter about its own axis (centre line).



Precision grinder Rondamat 912

Fully automatic grinding of solid cutters

Grinding a Rotaplan cutter head.



Technical Data

(subject to technical alteration)

- Length of tooling max. 260 mm
- Max. diameter of tooling 280 mm
- Min. diameter of tooling 80 mm
- Revolutions of grinding spindle 4600 r.p.m.
- Spindle motor 0,55 kW/1,1 kW, 3.000 r.p.m.
- Grinding wheel diameter 125 mm for straight knife-cutter heads
- Grinding wheel diameter 150 mm for solid cutters
- Bore 20 mm
- Hydraulic aggregate 0,37 kW, contents 8 litres
- Cooling liquid system 0,045/0,065 kW, contents 100 litres
- Feed speed infinitely variable
- Table movement max. 500 mm
- Clearance angle adjustable 10 to 30 degrees
- Operating voltage 380 volts – 50 cycles
- Electronic control for fully automatic grinding
- Switch cabinet with keyboard and visual displays
- Accessories:
Operational tools
2 grinding wheel adaptors (straight knife – cutter heads and solid cutters)
Mounting arbour, diameter at choice
- On request available for 310 mm width of tooling

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