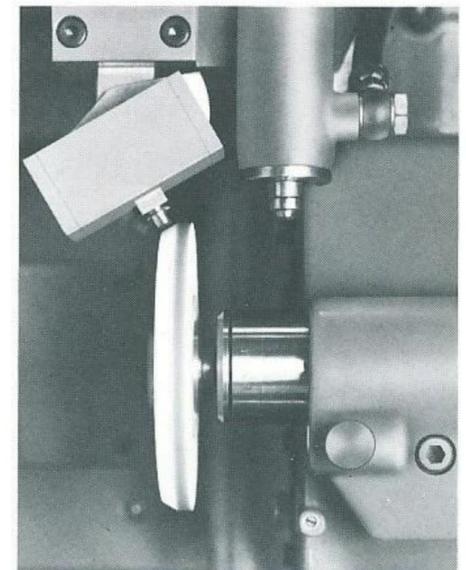


Face grinding device to square a face to a ground bore.



Manual angular dressing attachment.

MUR 100 Hydraulic internal and external grinding machine of high precision

The MUR 100 is especially designed for economical and high precision grinding of extremely small components and for machining of single components up to grinding of large batches.

The machine is extremely handy, versatile, practical and of highest precision. It has been built according to the most modern principles:

- Workpiece headstock with electronic infinitely variable speed adjustment from 150 to 1500 r.p.m. forward and backward. The spindle is mounted in preloaded needle bearings, thus achieving roundness accuracy within one μm .
- Cross slide of workpiece headstock with roller guide resulting in absolutely regular automatic feed cycle with roughing, finishing and sparking out time, adjustable from 30 seconds to 25 minutes. Swing base $50^\circ/90^\circ$ for conical grinding work and circular surface grinding.
- Grinding support with fully hydraulic, smooth longitudinal travel, infinitely adjustable from 0 to 8 m/min (0 – 26 feet/min). Quick adjustment of grinding head by longitudinal base support (225 mm – 9"). Automatic working cycle by one push-button.
- Diamond tip is set on finish size. Automatic compensation of wheel wear when dressing. In-direct sizing through diamond positioning.

Upon request:

- Special equipment for the watch and instrument industries consisting of face plate with indirect drive and tiltable centering microscope.
- External grinding attachment.
- Face grinding equipment – tailstock centre – 3-jaw steady rest (mounted on workhead).
- High frequency and air turbine spindles up to 120 000 r.p.m.
- Automatic infeed by means of a stepping motor.
- Automatic loading and unloading device.

Technical data:

Grinding travel	1 – 100 mm (.040" – 4")
Grinding diameter internal	0,5 – 15 mm (.020" – .600")
external	0,1 – 20 mm (.004" – 3/4")
Height of centres	60 mm (2 3/8")

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