



DIE PROFILER 2000

the ultimate technology
in die manufacturing

Ultra high speed spindle with diamond tool
allows very fast grinding of working angle
and bearing.

EQUIPMENT FOR TC DIES

efficiency

productivity

HIGH

precision

flexibility

DIE PROFILER 2000

This machine has been developed for high efficiency manufacturing new dies and reconditioning used dies.

The grinding operation is very fast as it is obtained by means of a special diamond tool rotating at very high speed (up to 42000 RPM).

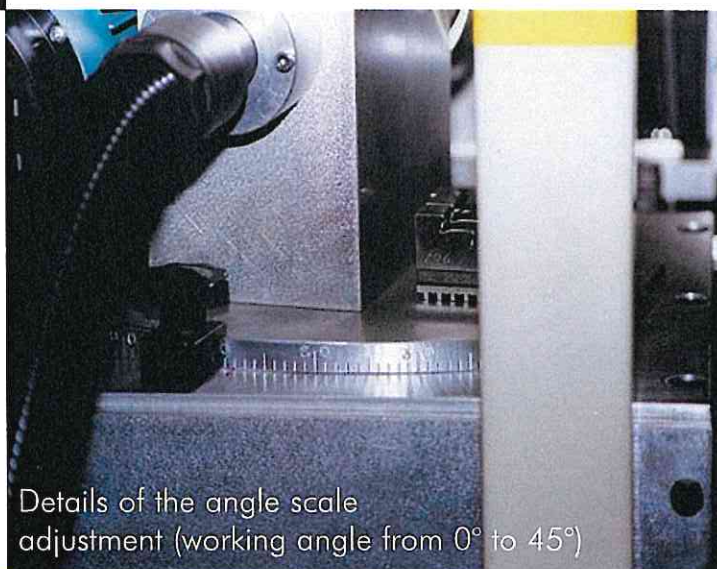
The work is rotated opposite to the diamond cutting tool.

DIE PROFILER 2000 can repair the conical part and bearing (parallel part) of a die in a very short time and very precisely.

The machine, equipped with digital micrometers, is extremely precise, able to produce working angle and bearing exactly according to the specification.

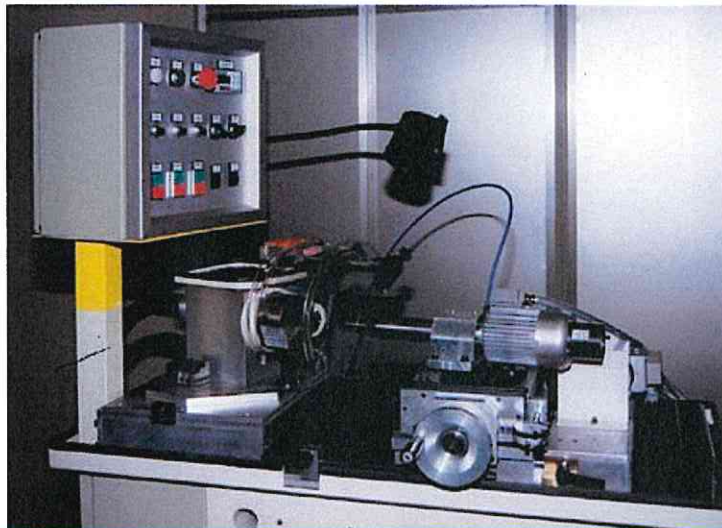
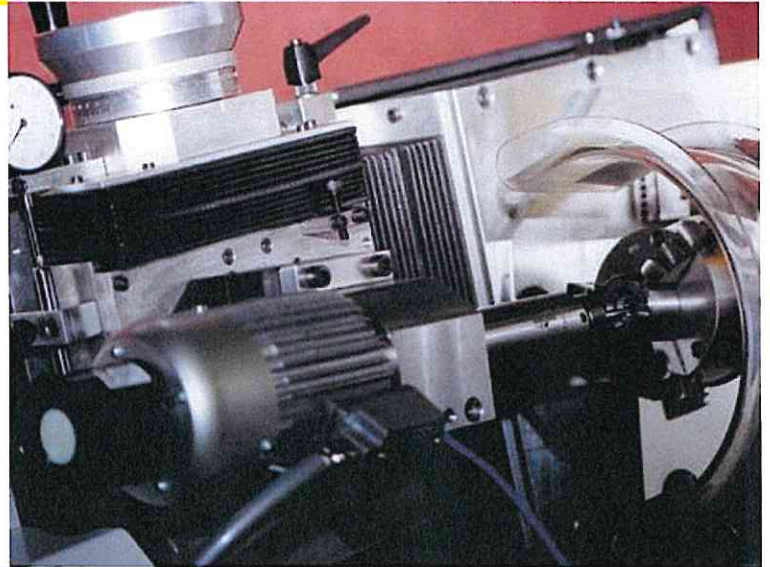
The optimum range of diameters is between 1.5 and 12 mm, but with smaller diamond tool it is possible to manufacture dies down to 0.6 mm.

The machine is equipped with a dust collection unit to prevent dust in the environment.



Details of the angle scale adjustment (working angle from 0° to 45°)

Semi-automatic tungsten carbide wire drawing die grinding machine for reworking of the bell radius, entrance and approach angles, bearing section and back relief sections.



DIE PROFILER 2000

TECHNICAL CHARACTERISTICS

Finished size range diameter	1.50 - 12 mm (with diamond tool)	0.060" - 1/2"
Die case O.D. (Min. Max)	25 mm 100 mm	1" - 4"
Working angle range	0° - 45°	
High frequency spindle (power)	0.79 kilowatt	
Tool speed (adjustable by frequency inverter)	3000 - 42000 RPM	
Tool grip diameter	3 and 6 mm	1.18" and 2.36"
Die holder speed (adjustable by frequency inverter)	0 - 800 RPM	
Grinding cycles (adjustable by frequency inverter)	between 0 and 80 (strokes/minute)	
Length of Stroke	adjustable between 5 and 30 mm	0.2" to 1.2"
Power supply	380V/50Hz	
Dust suction unit/motor power	0.75 kilowatt	
Auxiliaries/Signal	24 Volt AC/24 Volt DC	
Dimensions (length-width-height) - Weight	1150-600-1650 mm - 2300 Newton	