

Ultrasonic Die Polishing Machine BD 200 M

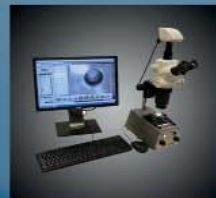
Die Polishing Machine

SPECIFICATIONS:

Die size worked	: 0.10 to 3.0 mm
Electrical supply	: 220-240V 3A 50/60Hz 1 Ph
Ultrasonic generator	: 200W 20Khz
Finish	: Grey hammer with S.S panels
Needle holders	: for Ø 2.5 - 3 - 4 - 5 mm needles
Needles	: Ø 2.5 - 3 - 4 - 5 mm
Special tool	: 20 / 8 mm

DIMENSIONS:

Width	: 512 mm
Height	: 750 mm
Depth	: 400 mm
Weight	: 55 Kg



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The BD 200 M is designed to polish Diamond and P.C.D. dies in the range from 0.1 mm to 4.0 mm diameter.

The machine comprises a self contained bench unit housing the ultrasonic generator, ultrasonic head and oscillating die table assembly. The working part of the machine is fitted with an acoustic enclosure which can easily be swung open to afford access to the die table.

All the controls are clearly arranged on the front panel to optimise ease of operation. The die table is supported in air bearings which enables the die pressure to be finely controlled depending on the size of die under repair. The angle of the die table oscillation can be readily adjusted on the front panel and set to the required angle for mirror polishing.

Hardened steel consumable needles are fitted into aluminium alloy tools. Needle changing is simple and clean without the need for solder or brazing and up to 20 dies can be worked with a single needle.

Standard needles sizes are 2.5 mm, 3.0 mm, 4.0 mm and 5.0 mm. Above this size, special hardened steel tools of 8.0 mm diameter are available, screwed directly into the transducer.

The use of the special "needle press" is highly recommended to fix the needle into the aluminium needle holders.



Mirror polishing of the entire profile can be carried out without operator supervision, the working period being controlled by a process timer. The unit is supplied complete and ready to use, with a complete range of ultrasonic tools and accessories. To maintain accurate and consistent die geometry during the shaping process, we recommend the use of the shaping BD 200 A or BD 200 SA Ultrasonic Machines, which feature an integral needle grinding facility.

