

DIES Ø 1.50 ▶ 9.00 mm

- ANGLES SHAPING
- MIRROR POLISH
- INTEGRATED SHARPENING WHEEL
- NATURAL / SYNTHETIC / PCD DIAMOND

This machine gathers for each unit

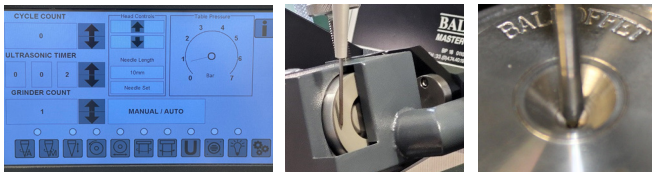
- Ultrasonics generator - Working head
- Anodized aluminum needle holder
- Oscillating die holder
- Wide touchscreen
- Integrated sharpening wheel with angles adjustment

Main features

- Precision of the reduction, entrance and exit angles
- Set-up of shaping or polishing modes
- Quick cycles (<15 sec for shaping / <60 min for PCD polishing)
- Die casing Ø 25 ▶ 43mm
- Machining with needles or steel spindles
- Needles (Dies Ø < 3mm) : Ø 4 - 5 mm / Lg 50 mm (Option Lg 62 mm)
- Spindles (Dies Ø > 3mm) : Ø 8 - 12 - 16mm

Parameters set by the operator

- Sharpening angle of the needle
- Cycle time
- Ultrasonics power
- Oscillation angle (polishing)
- Number of working cycles
- Die pressure on the needle



Technical specifications

- Electric supply : 230 V 16 A 50/60Hz 1 Ph
- Ultrasonics Generator : 500W/20KHz
- Finish : SS Panel and grey paint
- Air supply required : 4 Bar (60 PSI), 1/4" bore hose
- Air cooled
- Automatic sharpening - Special diamond wheel Ø 75 mm
- Dimensions : L.770 x D.400 x H.950 mm
- Weight : 101 Kg

The **BD 500 SA e-type** machine has been designed for the shaping and polishing of the diamond dies angles. It's an automatized and improved evolution of our BD 500 SA, with **integrated sharpening and automatic cycle**.



BALLOFFET

- Exclusive Balloffet needle attachment system (Use of Balloffet Needle Press™ highly recommended)
- Ultrasonics transmission 50% more powerful than brazed needle device
- Quality and repeatability of the grinding
- Quick needles feed-in
- Up to 20 dies machined per needle
- BALLOFFET consumables highly recommended
- Ergonomics and easy use
- Start and maintenance possible by BALLOFFET technicians
- Starter kit included (detail on request)
- BALLOFFET Warranty - CE Conformity
- Good return on investment

