

DIES Ø 1.50 ▶ 9.00 mm

ANGLES SHAPING

MIRROR POLISH

INTEGRATED SHARPENING WHEEL

NATURAL / SYNTHETIC / PCD DIAMOND

This machine gathers for each unit

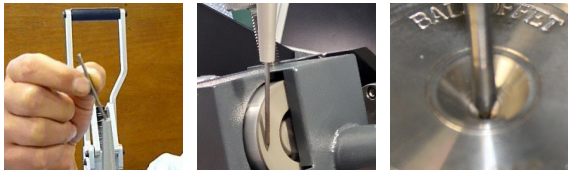
- Ultrasonics generator - Working head
- Anodized aluminum needle holder
- Oscillating die holder
- Integrated sharpening wheel with angles adjustment

Main features

- Quick cycles (<15 sec for shaping / <60 min for polishing)
- Die casing Ø 25 ▶ 4 mm
- Machining with needles or steel spindles
- Needles (Dies Ø < 3 mm) : Ø 4 - 5 mm / Lg 50 mm (Option Lg 62 mm)
- Spindles (Dies Ø > 3 mm) : Ø 8 - 12 - 16 mm

Parameters set by the operator

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



Technical specifications

- Electric supply : 230V 16A 50/60 Hz 1 Ph
- Ultrasonics Generator : 500W/20 KHz
- Finish : SS Panel and grey paint
- Air supply required : 4 Bar (60 PSI), 1/4" bore hose
- Air cooled
- Semi-automatic sharpening - Special diamond wheel Ø 75mm
- Dimensions : L.770 x D.420 x H.970 mm
- Weight : 101 Kg

The **BD 500 SA** machine has been designed for the semi-automatic shaping and polishing of the diamond dies angles.



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
- Excellent return on investment

