



EM-series Ultrasonic Polishing Machines

Die reconditioning

www.estevesgroup.com



Highlights

- Versatile use: recutting and polishing
- Quick machine setup
- Built-in grinding wheel
- Easy to use
- Durable

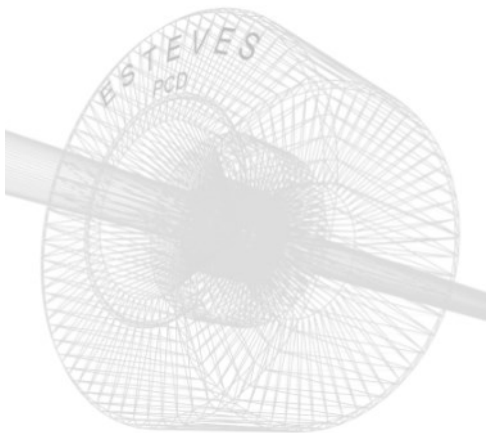
Machines made for recutting and repolishing drawing dies meet the demands of today's die-shop operators.

The reduction cone angle and bearing length of a drawing die wear during the wire drawing process. The EM-series ultrasonic polishing machines are used to recut and repolish these worn parts and to recut and polish the entrance and exit cone of drawing dies.

Proven technology ensures that the versatile Esteves Group **EM-series ultrasonic polishing machines** give the die-shop operator the ability to return the quality of the wire drawing die to as good as new. The built-in grinding wheel allows for a quick changeover time when another polishing angle is required.

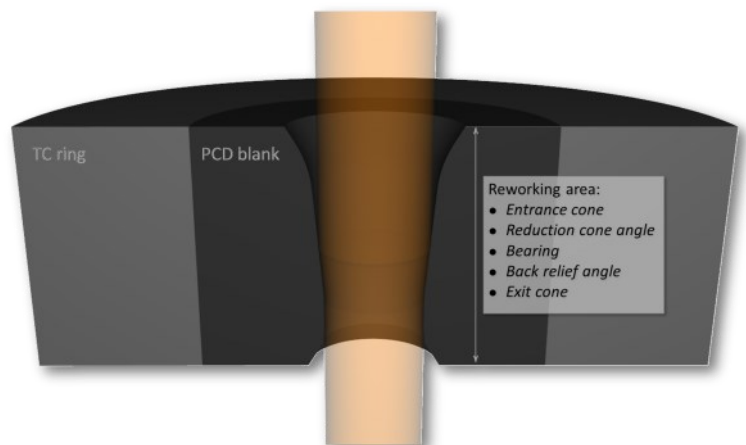
Esteves Group polishing machines are manufactured with the goal of versatility, durability, and ease of use.

Virtually any type of die-shop tooling is available from Esteves Group as well as in-house training for your recutting, repolishing and resizing needs.



We Specialize in...

- Wire Drawing Dies
- Bunching, Stranding & Compacting Dies
- Split Dies
- Tubing Dies
- Shaped Dies
- Extrusion Tooling
- **Die Reconditioning Tools**
- Engineering Services
- Customer Support





EM-series Ultrasonic Polishing Machines

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Key Features

- Programmable control
- Durable design and components
- 20 kHz polishing frequency
- Built-in needle grinding wheel

Benefits

- Multifunctional machine for die recutting and polishing
- Quick machine setup
- Quick changeover time
- Easy to use and durable
- Optimized for natural, synthetic, and polycrystalline diamond

Esteves Group Ultrasonic Polishing Machines	Product name	EM-107 DIG	EM-108 DIG
	Diameter range inch [mm]		0.10 – 4.5 mm [.0039 – .177"]
Casing dimensions ¹⁾		Up to 53 mm* [2.08"]	Up to 53 mm* (2.08")
Programmable time control			✓
Manual time control			✓
Adjustable power			✓
Rotation speed			Fixed
Die swing			✓
Vertical swing			✓
Nominal ultrasonic frequency			20 kHz
Rotating head			✓
Input power			220V 50/60Hz
Air pressure			4 – 6 bar (built-in regulator)
Dimensions [w x d x h] (Approx.)			540 x 540 x 1000 mm (21.3 x 21.3 x 39.4")
Weight (Approx.)		78 kg [172 lbs.]	85 kg [188 lbs.]

¹⁾ Larger available on request

More die shop machines, microscopes and consumables are available. Please contact **Esteves Group** for a quotation for your die shop tooling.

Die shop equipment below:

Wire polishing machines, die inspection microscope, die holders, ultrasonic needles, wire, diamond powder



wire die solutions • www.estevesgroup.com