



EM-series Wire Polishing Machines

Die reconditioning



Highlights

- Versatile use: recutting, polishing, sizing
- Quick machine setup
- Easy to use
- Durable

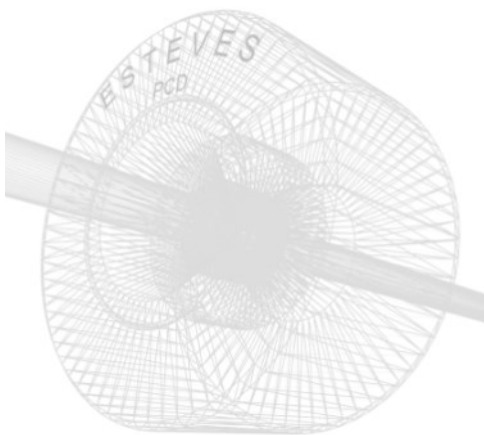
Machines that are capable of recutting, repolishing and sizing drawing dies meet the demands of today's die-shop operators.

The reduction cone angle and bearing length of a drawing die wear during the wire drawing process. The EM-series wire polishing machines are used to recut and repolish these worn parts and to resize the drawing die to the required bearing length and bearing diameter.

Proven technology ensures that the versatile Esteves Group **EM-series wire polishing machines** give the die-shop operator the ability to use one machine to recut, repolish and resize drawing dies.

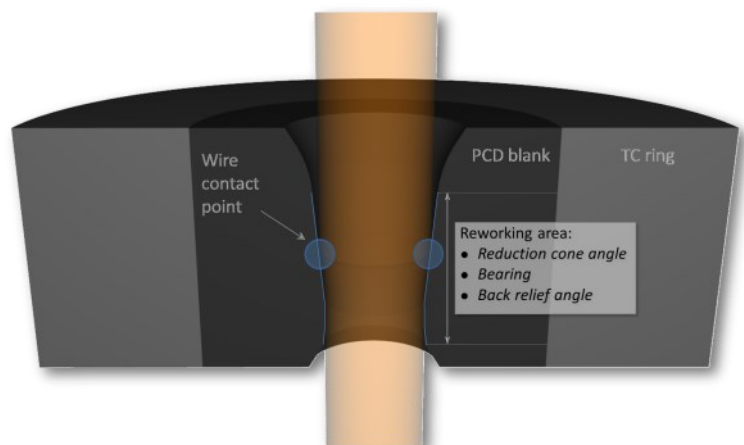
Esteves Group polishing machines are manufactured with the goal of versatility, durability and ease of use.

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 Wire Polishing Machines

Die reconditioning

Key Features

- Size range: 0.020 - 8.0 mm
- Holds various casing sizes
- Programmable control
- Durable design and components

Benefits

- Multifunctional machines for die recutting, polishing, and sizing
- Quick machine setup
- Easy to use
- Durable
- Optimized for natural, synthetic, and polycrystalline diamond

Esteves Group Wire Polishing Machines

Product name	EM-203	EM-223 DIG	EM-226	EM-205 DIG	EM-206 DIG
Diameter range inch [mm]	0.02 – 0.50 [.0008 – .0196]	0.02 – 3.0 [.0008 – .118]	1.0 – 10 [.039 – .39]	0.1 – 4.5 [.0039 – .177]	0.1 – 8 [.0039 – .31]
Casing dimensions ¹⁾ mm [inch]	≤ 28x15 [≤ 1.1x.6]	25x6 - 28x15 [.98x.23 - 1.1x.6]	≤ 53 x 35 [≤ 2.09x1.38]	≤ 28x15 [≤ 1.1x.6]	≤ 53 x 35 [≤ 2.09x1.38]
Working heads	1			2 (independent)	
Programmable time control	✓				
Manual time control	✓				
Rotation speed	0 – 1,000 rpm		0 – 800 rpm	0 – 1,000 rpm	
Rotation speed microprocessor control	✗	✓	✓	✓	✓
Oscillation speed	0 – 200 oscillations/min				
Oscillation speed microprocessor control	✗	✓	✓	✓	✓
Stroke length mm [inch]	70 [2.76]	70 or 100 [2.76 or 3.94]	80 [3.15]	50 [1.97]	
Programmable die holder angle	✗	✓	✗	✗	✗
Input power	220V 50/60Hz				
Dimensions [w x d x h] (Approx.)	250x450x600 [9.8x17.7x23.6]	300x430x705 [11.8x16.9x27.8]	455x470x705 [17.9x18.5x27.8]	550x600x760 [21.7x23.6x29.9]	550x600x760 [21.7x23.6x29.9]
Weight (Approx.)	55 kg [121 lbs.]	72 kg [159 lbs.]	145 kg [320 lbs.]	175 kg (386 lbs.)	

¹⁾ Die holders for other casing dimensions are 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:

Ultrasonic polishing machine, die inspection microscopes, die holders, ultrasonic needles, wire, diamond powder

