

3ML4780D Vertical Steel Ball Lapping Machine

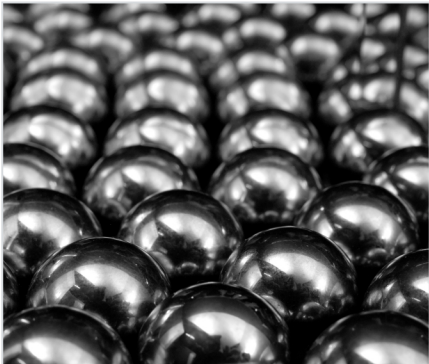
Finishing lapping and superfinishing after hard grinding

RISHENG

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3ML4780D VERTICAL LAPPING MACHINE



PRECISION STEEL BALLS

Main technical parameters:

Items and specifications	Parameters
Working range	Φ3-Φ25 mm
Dimension of lapping plate	OD Φ800 x ID Φ440 (Φ360) x W100 mm
Dimension of resin wheel	OD Φ800 x ID Φ440 x W30 (50) mm
Speed of main shaft	10-40 r/min (frequency conversion)
Maximum ball load	250 kg
Maximum working pressure	60 kN
Main motor power	5.5 kW

Main structural features:

- 1
- Vertical large-cycle layout with a compact footprint for batch steel-ball finishing.
- 2
- Designed for finishing lapping and superfinishing after hard grinding.
- 3
- Main-spindle speed is adjustable from 10 to 40 r/min for stable low-speed precision processing.
- 4
- Hydraulic pressurization combines with a constant-pressure nut and compression-spring mechanical pressure retention.
- 5
- Equal-distance spring compression and guide-rod movement support uniform pressure between the two plates.
- 6
- The spindle bearing uses oil-mist lubrication; axial and radial runout of the rotating plate are controlled within 0.015 mm.
- 7
- A hard-tooth bevel geared motor provides low temperature rise and efficient transmission, while the upward-facing output shaft reduces oil-leak risk.
- 8
- Small-cycle processing can be configured according to requirements, without a turntable.