

Twenty-Axis Arc Swing Polishing Machine

The JP005.20 twenty-axis arc swing polishing machine is a high-efficiency optical cold working machine tool for finishing and polishing optical glass. It is designed and manufactured according to the principle of quasi-ball center and is suitable for fine grinding and polishing of concave and convex lenses with a radius of curvature Rd20mm.



Product Overview

High-Efficiency Optical Polishing

The twenty-axis arc swing polishing machine is a specialized optical cold working tool designed for the precision finishing and polishing of small-diameter, small-curvature radius spherical glass. Engineered on the principle of quasi-ball center, it ensures uniform pressure and oscillation around the center of curvature, resulting in high-precision concave and convex lenses. This compact, high-efficiency machine is ideal for optimizing production workflows and reducing manual labor intensity.

Technical Specifications

Spindle Speed Options

- 750 r/min
- 1200 r/min

Swing Speed Options

- 80 times/min
- 120 times/min

Motor Specifications

0.55 KW

Power

Processing Range (Diameter)	5 mm
Spindle Spacing	130 mm
Swing Range	0-20mm

Dimensions & Weight

Dimensions (L x W x H)	1830mm x 1000mm x 1100mm
Machine Weight	600 kg

Application Details

Suitable Curvature Radius (R)	d 20mm
Applications	Concave Lenses, Convex Lenses, Optical Glass Polishing, Fine Grinding