

Spherical Lens Milling and Grinding Machine

This spherical milling and grinding machine is a high-efficiency processing equipment for spherical optical parts. It is capable of processing parts with specific curvature radius accuracy, surface roughness, and arc height requirements.



Overview

High-Efficiency Spherical Processing

The ZGX70 is a high-efficiency processing machine specifically designed for spherical optical parts. It features a flexible spring-tension feeding system and an automatic chuck release mechanism for streamlined, efficient loading and unloading. Users can achieve precise curvature accuracy and surface roughness requirements by adjusting the grinding wheel and workpiece spindle positions, as well as setting specific light-cutting times.

Processing Capabilities

Adjustment Angles

45°

Grinding Head Spindle Angle

90°

Chamfering Head Angle

Processing Lens Range

5 - 80 mm

Spindle Box Stroke

50mm (Longitudinal) x 50mm (Transverse)

Technical Specifications

Motor Power Ratings

Component	Power
Spindle Motor	0.25 KW
Main Grinding Head Motor	0.55 KW
Chamfering Motor	0.12 KW

Total Machine Power

1.12 KW

Overall Dimensions

1040 x 750 x 1430 mm

Total Weight

650 kg

Operational Speeds

Workpiece Spindle Speeds

- 15 rpm
- 22 rpm

Grinding Head Speeds

- 8500 rpm (Stage 1)
- 11000 rpm (Stage 2)

Chamfering Head Speed

7000 rpm