

# Automated Optical Component Refining Machine

This automated refining machine is designed for precision processing of optical components. It features multi-station processing, programmable control panels, and integrated fluid management systems for consistent refining slurry application.



## Overview

### Precision Optical Component Refining

The Automated Optical Component Refining Machine is a high-precision tool designed for the spherical processing of optical elements. It supports both single-piece and batch processing using a quasi-ball-center method and centripetal arc oscillation. Featuring an integrated pneumatic pressurization system and a temperature-controlled automated fluid circulation supply, this machine ensures consistent, professional-grade results for high-volume lens manufacturing.

## Technical Specifications

### Model Specifications

Feature	JPT18.4	JPT18.6
Spindle Count	4	6
Spindle Pitch	440mm	240mm
Total Power	3.1kW	6.2kW
Dimensions (mm)	1950x870x1820	2100x870x1820
Weight	700kg	820kg

## Operational Capabilities

### Processing Metrics

**85 mm**

Max Processing Diameter

**180 R**

Max Curvature Radius

**2800 rpm**

Max Spindle Speed

**40 cpm**

Max Oscillation Speed

### System Modes

Automatic, Manual, Variable Speed, Pneumatic Pressurized

## Power and Environment

Electrical Input	3-phase AC 380V, 50Hz
Air Pressure Range	9 Kg/cm <sup>2</sup>