

OPTIPRO

Trusted Technology.



PRO 160C

PRO 160C Precision Optics Centering

■ CNC Centering of Spheres & Aspheres

■ Exceptional Precision and Repeatability

■ Easily Perform Multiple Operations

■ Advanced Optical Centering Technology

SAVE TIME

- Automatic bell clamping technology minimizes setup time
- Complete multiple operations in a single cycle, freeing technician to run several machines simultaneously
- Quick change high speed tool spindles reduces setup time

MAKE MONEY

- Efficient centering of spheres and aspheres from 5-200 mm
- Laser alignment with transmission for optical glasses or ceramics and optional reflection alignment for UV materials
- Capable of truncations, facets, steps, bevels, tapers, and freeform edge shaping

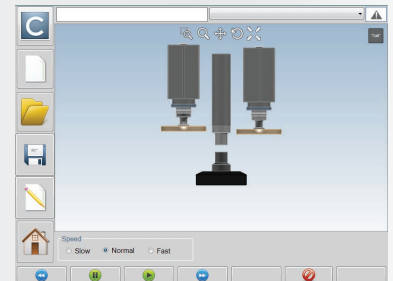
QUALITY & RELIABILITY

- Highest quality machine components
- Centering bells manufactured with care by OptiPro
- Rigid granite base designed for excellent stability ensures highest quality and control



EASY-TO-USE SOFTWARE

- Interactive 3D simulation of part program with collision detection
- Edge Detection feature for quickly applying desired bevels
- Center thickness compensation ensures accurate bevels & sag flats



Grinding

Polishing

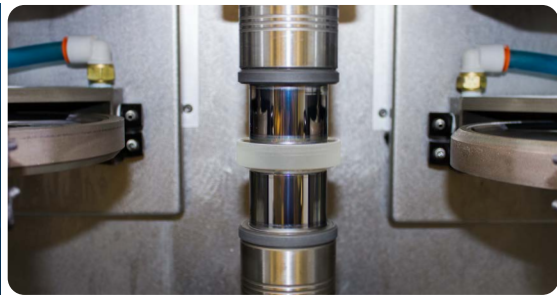
UltraForm
UltraSmooth
Finishing

Measuring

Advanced
Process
Development

Training

Exceptional Precision and Repeatability



Specifications*	PRO 160C
Workpiece Optimal Diameter Range Maximum Workpiece Height	Up to 200 mm (7.87") Up to 70 mm (2.76")
Work Spindle Spindle Speed Hydro-Expansion Chuck C-Axis Position and Hold Precise Clamping Pressure	0 - 400 rpm 25 mm (Standard & Custom Bells Available) Standard Up to 1,000N
Tool Spindle Tool Holder Style Maximum Tool Diameter Maximum Tool Weight Tool Spindle Speed Spindle Power	Quick Change HSK63F 220 mm (8.66") 6 kg (13.2 lbs.) 1,000 - 12,000 rpm 7kW (9.5hp)
Travels X1 - Axis Travel X2 - Axis Travel Z1 - Axis Travel Z2 - Axis Travel Z3 - Axis Travel C1 - Axis Travel C2 - Axis Travel Repeatability Positioning Accuracy	95 mm (3.74") 95 mm (3.74") 180 mm (7.08") 180 mm (7.08") 85 mm (3.35") 360° Continuous 360° Continuous +/- 0.001 mm
Communication Interface Ethernet USB	Standard Standard
Machine Dimensions Width Depth Height Weight	1,278 mm (50.3") 2,032 mm (80") 2,282 mm (89.8") 2,494 kg (5,500 lbs.)
Facility Requirements Electrical Air Supply	480V Wye +/- 10%, 58A 100PSI, 5 CFM clean dry air
Laser Alignment with Transmission Laser Alignment with Reflection Center Thickness Compensation Truncation Grinding	Optional Optional Standard Optional

* Specifications subject to change. Contact OptiPro for the latest specifications.



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