

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

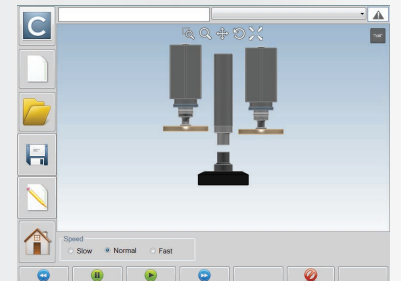
QUALITY & RELIABILITY

- 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 - 200 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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