

OPTIPRO

Trusted Technology.



PRO 80P



PRO 160P
PRO 160P+



ePX 200

PRO Series & ePX 200 Spherical Polishing

■ High Volume Production

Powerfully Simple Set-Ups ■

■ Exceptional Ergonomics

The Latest in CNC Polishing Technology ■

SAVE TIME

- Easy-to-use graphical user interface minimizes setup time
- Easy cleanup for fast slurry changeover
- Tool correction and truing directly on polisher (dual lower spindles for in-process truing on PRO 160P+)

MAKE MONEY

- High speed polishing of precision plano and spherical optics
- Easily accessible work area for hemispherical fixtures
- Polish a wide variety of optical materials

QUALITY & RELIABILITY

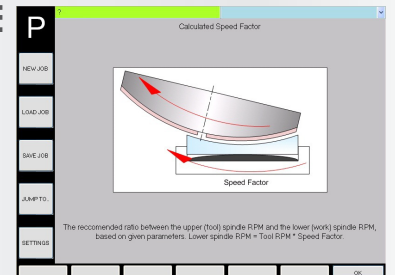
- Highest quality machine components and robust spindles
- Rigid base design for ultimate stability to ensure optimal surface quality during polishing



Close up of PRO 160P+

EASY-TO-USE SOFTWARE

- Clean & simple user interface
- Ability to polish planos as well as convex & concave spherical optics
- Unique hemispherical dome polishing capability



Grinding

Polishing

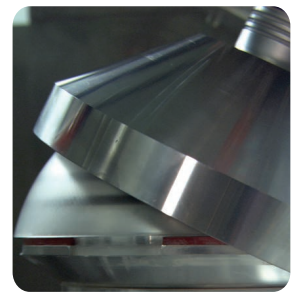
UltraForm
UltraSmooth
Finishing

Measuring

Advanced
Process
Development

Training

High Speed Spherical Lens and Dome Polishing



Specifications*	PRO 80P	PRO 160P/160P+	ePX 200
Workpiece Optimal Diameter Range Maximum Weight	Up to 80 mm (3.15") 15 kg (33 lbs.)	Up to 160 mm (6.3") 30 kg (66 lbs.)	Up to 200 mm (7.87") 100 kg (220 lbs.)
Work Spindle** Spindle Speed, Power Hydro-Expansion Chuck Work Chuck	1 - 1,500 rpm, 1.3kW Standard Pneumatic Bladder	0 - 1,500 rpm, 1.8kW Standard Pneumatic Bladder	25 - 2,000 rpm, 5kW Standard Pneumatic Bladder
Tool Spindle Maximum Tool Diameter Spindle Speed, Power Hydro-Expansion Chuck Polishing Tool	160 mm (6.3") 50 - 1,500 rpm, 1.3kW Standard Aluminum or Steel Body w/ Polyurethane Foil	300 mm (11.8") 0 - 1,500 rpm, 1.8kW Standard Aluminum or Steel Body w/ Polyurethane Foil	400 mm (15.7") 25 - 2,000 rpm, 5kW Standard Aluminum or Steel Body w/ Polyurethane Foil
Travels X - Axis Travel Y - Axis Travel Z - Axis Travel B - Axis Travel	170 mm (6.7") 3 mm (.12") 140 mm (5.5") -5° to 65°	420 mm (16.5") 6 mm (.24") 220 mm (8.7") -5° to 65°	468 mm (18.4") 210 mm (8.3") 200 mm (7.87") -90° to 90°
Communication Interface Ethernet USB	Standard Standard	Standard Standard	Standard Standard
Machine Dimensions Width Depth Height Weight	1,000 mm (39") 1,500 mm (59") 2,440 mm (96") 1,600 kg (3,500 lbs.)	1,400 mm (55") 1,730 mm (68") 2,440 mm (96") 1,950 kg (4,300 lbs.)	2,110 mm (83") 2,515 mm (99") 2,700 mm (106") 3,400 kg (7,500 lbs.)
Facility Requirements Electrical Air Supply	480V +/- 5%, 24A 100PSI, 5 CFM clean dry air	480V +/- 10%, 24A 100PSI, 5 CFM clean dry air	480V +/- 5%, 49A 100PSI, 5 CFM clean dry air

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

** PRO 160P+ has dual lower spindles (Work Spindle and Truing Spindle), both of which have the same specifications.



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Scan to watch
high speed polishing >
 of spherical optics

