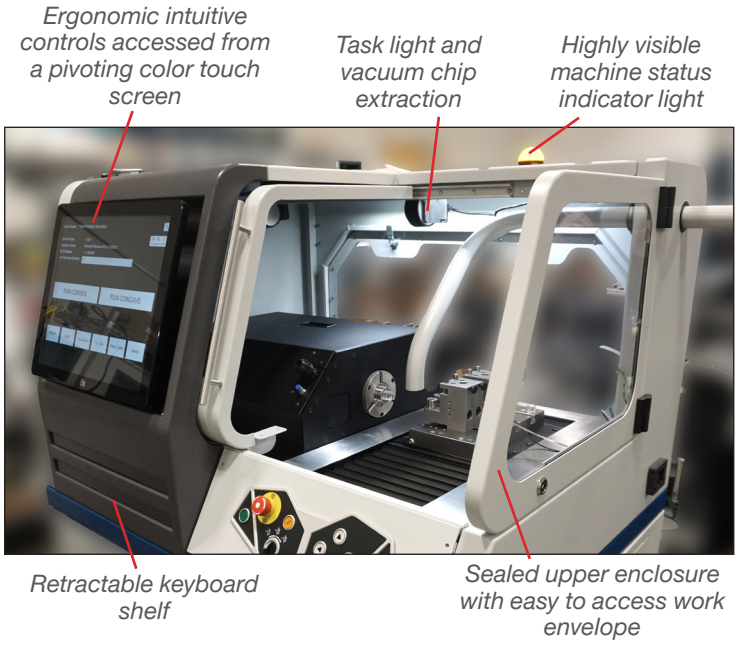
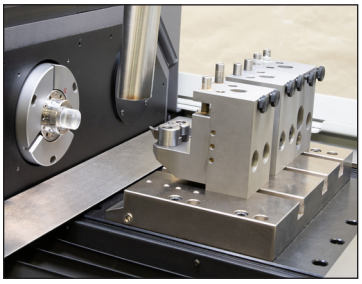
Sterling
ULTRA PRECISION

OPHTHALMIC LATHE
Optoform® 60

Next generation two-axis, computer controlled contouring lathe designed for high speed manufacturing of contact lenses and intraocular lenses. When equipped with the FTS 5000 the Optoform 60 produces the world's finest freeform lens designs. The machine control software is extremely flexible, accommodating a wide range of applications.



CE Marked



- ***Improved surface quality***
  - ***Proprietary vibration isolation system (TMC)***
  - ***Advanced HX 75 high-speed spindle***
  - ***State of the art pico-resolution encoder system***
- ***Easily integrates with the world's most advanced fast tool servo system - the FTS 5000***
- ***Latest high-performance Power PMAC controller***

Available Options:

- *FTS 5000 fast tool servo*
- *Optomill 3000 haptic milling attachment*
- *Optomark 3000E lens axis marker*
- *Optovision 200 lens axis locating system*

Facility Requirements	
Power	208 - 230 VAC, 1 phase 50/60 Hz, 3.0 kVA
Compressed air supply	10 SCFM @ 90 PSIG | 5 l/s @ 6 bar 11.4 SCFM @ 90 PSIG | 5.6 l/s @ 6 bar with FTS 5000
Machine footprint (WxDxH)	1130 x 870 x 1780 mm (45 x 35 x 70 in.)

Key Specifications	
Machine capability	Spherical, Aspherical Non-rotationally symmetric with FTS 5000 attachment
Turning performance	Surface roughness ≤ 6 nm Ra Form accuracy ≤ 0.2 µm P-V
Slide travel	220 mm for X axis 100 mm for Z axis
Positioning feedback resolution	4 pm (0.004 nm)

AMETEK® Precitech, Inc.
Sterling Ultra Precision
8600 Somerset Drive • Largo, FL 33773 USA • Phone: 727-538-6000 • Fax: 727-538-6121
www.sterlingint.com • www.precitech.com

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