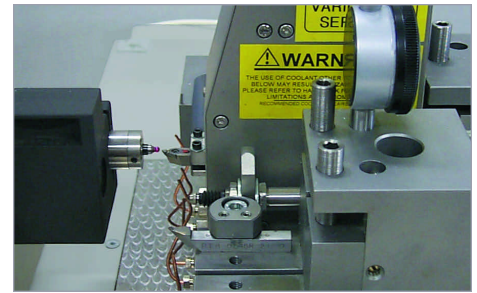


Optoform® 80



Optional tool setting station shown with Variform™ attachment

High performance, two-axis, cnc lathe specifically designed for contact lenses, metal molds and intraocular lenses.

Features & Benefits

- Designed for high speed lathing of spherical, multi-curve, or aspheric contact lenses, intraocular lenses as well as non-ferrous metal molds.
- User defined edge configurations can be specified, incorporated into the lens/mold design and directly machined.
- Optional Variform™ attachment for direct machining of toric lenses..
- Built on a natural granite base, and utilizes a passive 3-point pneumatic vibration isolation system.
- High stiffness, hydrostatic oil bearing slideways are arranged in an inverted "T" configuration.
- Slideways provide 190mm (X-axis) and 100mm (Z-Axis) of travel.
- 8.6nm resolution linear glass scales for positioning feedback.
- Slideways are driven with linear motor technology.
- Pentium 233, 32MB RAM (min.) 1GB HD (min.) 3.5"floppy drive and a flat panel touch screen control system. (Includes remote on-line diagnostic capability; modem optional)

Specifications

System / Control	Description
Configuration	Two-axis contouring machine, inverted "T" configuration
Control System	Pentium 233, 32MB RAM (min.) 1GB HD (min.) 3.5"floppy drive and a flat panel touch screen Includes remote on-line diagnostic capability Modem optional
Base	Natural granite supported on a fabricated steel frame
Vibration Isolation	Passive 3-point pneumatic vibration isolation
Integral Lens Design	
Spherical	Spherical, Aspherical and Toric/w Variform™
Machine Slides X and Z Axes	
Type	Preloaded hydrostatic oil bearing design
Travel	X axis 190mm (7.5"), Z axis 100mm (4")
Speed	0.001-3000mm/min (120"/min)
Drive System	Linear AC synchronous motor
Workholding Spindle Heavy Duty Spindle	
Type	Air bearing
Speed Range	2000-15,000RPM
Acc/Dec Time	Less than 5 seconds
Swing Capacity	25mm(1")w/ collets 50mm(2")w/ vacuum chuck
Workpiece Chucking	Air actuated collet mechanism
Machine Requirements	
Power	230VAC, 1 Phase 50/60 Hz, 3.0Kva
Air	6SCFM@90PSIG, 3l/s @ 6 bar
Floor Space	1300mm x 1050mm (51" x 41")

Options & Accessories

- Variform™ Toric Generator
- Front Surface Probe Package
- Refrigerant Air Dryer
- Various Air Collets
- Various Software Packages
- Automatic Tool Setting System
- Additional Tool Holder Assemblies
- Spraymist Coolant System

