



100A Series Precision Lathe

■ Description

The 100A two-axis high-precision CNC-controlled contouring lathe offers a more flexible approach to lens creativity, with the certainty of producing quality lenses time after time.

Compact yet extremely stable, the machine has been ergonomically designed for simple and efficient operation and service. The high-quality color touch screen provides a user-friendly operator interface with software configuration for intuitive use.

■ Benefits

- Unique ability to produce toric edges, as well as lens geometries that include:
 - Spherical
 - Aspheric
 - Toric
 - Multi-focal
 - Other irregular cornea fits
- Six tool positions for greater flexibility
 - Typically one position is reserved for the optical tool position sensor.
- Three-Tool Fast Servo System
 - The unique ability to form complete edge radii of non-rotationally symmetric lens peripheries.
 - Complete edge forming on toric periphery lenses.
- Easy access to serviceable parts by a pull-out drawer



- Switchable air and spray-mist lubrication for optimizing lens surface finish
- User friendly—all controls accessed from a high-quality color touch screen
- Non-ferrous metal turning: brass, nickel plating, aluminum, copper

■ Installation Requirements

Laboratory:

<i>Floor Load</i>	Machine weight 1,764 lbs. (800 kg)
<i>Dimensions</i>	39.5"W x 35.5"D x 55"H (100 cm x 90 cm x 140 cm)
<i>Temperature</i>	Air-conditioned to 68°F ±2°F (20°C ±1°C) No direct sun radiation into the room

Electrical Services: 220–230 V, 50/60 Hz, single phase,
16 Amp supply

Stability ±10% (UPS is optional)

Compressed Air: 87–116 PSIG, delivery at 10.6 CFM
(6–8 Bar, delivery at 300 litres/min)

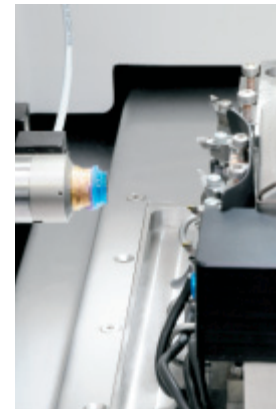
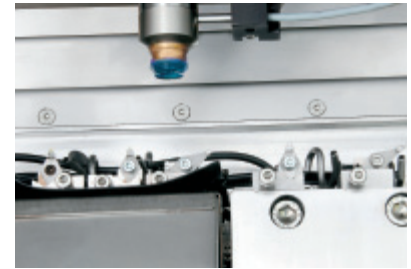
Absorption dryer with 1 micrometer filter
(optional)

Oil content <0.003 PPM at 70°F (21°C)

Cooling: No additional cooling required

Vibration Control: Room not adjacent to transport corridors or
vibration-generating equipment

Ground floor or basement preferred



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