



Ophthalmic

Finishing



QM-X3

The QM-X3's speed and robust design, combined with its ability to process complex shapes puts easy functionality and industrial-grade capabilities within reach. And, it's backed by the industry's most reliable service and support team.

QM - X3

The inaugural product of National Optronics' new QM (Quality Manufacturing) series, QM-X3 bridges the gap between industrial 5-axis edgers and 3-axis tabletops. 20-30% faster than other tabletop edgers and with an abundance of features, it is a perfect fit for both in-store and central labs, with an ideal price point and compact size. Much more robust than typical tabletops and capable of easily processing complex shapes, the QM-X3 is a breakthrough in all aspects of edging: quality, flexibility, speed, and reliability.

INDUSTRIAL DESIGN

Robust industrial design provides maximum uptime in all environments – including high volume in-store labs and central labs.

Heavy duty features include:

- Direct drive motors for precision and robustness
- Advanced digital signal processing for less electrical noise and faster processing speeds
- High speed, high torque spindle capable of over 30,000 RPM
- Sturdy sheet metal housing

UNMATCHED SPEED

Up to 30% faster than other table top edgers due to efficient mechanical design and high speed linear motors that rapidly drive components to position.

EXCEPTIONAL COSMETICS

High luster polish for all organic materials and beautiful, clean grooves on any lens shape, even on sharp cornered or small eyed lenses.

GREEN OPERATION

Environmentally friendly dry edging saves water and makes lens debris clean-up easy.

INNOVATIVE TOOLING

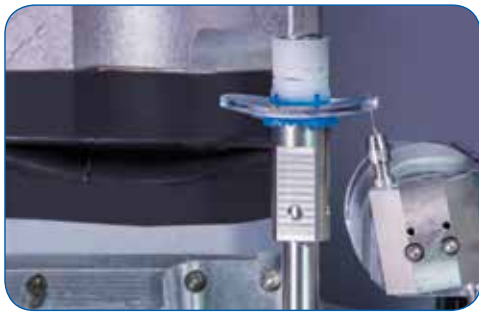
A fixed dual diamond blade design eliminates the need to frequently change blades and improves productivity and lens edge quality.

REMOTE DIAGNOSTICS

An easy-to-use remote diagnostics system provides fastest response times for immediate technical support and current software updates.



Shelving complex shapes



Variable-angle drilling



Innovative dual diamond blade tool



Environmentally-friendly dry edging



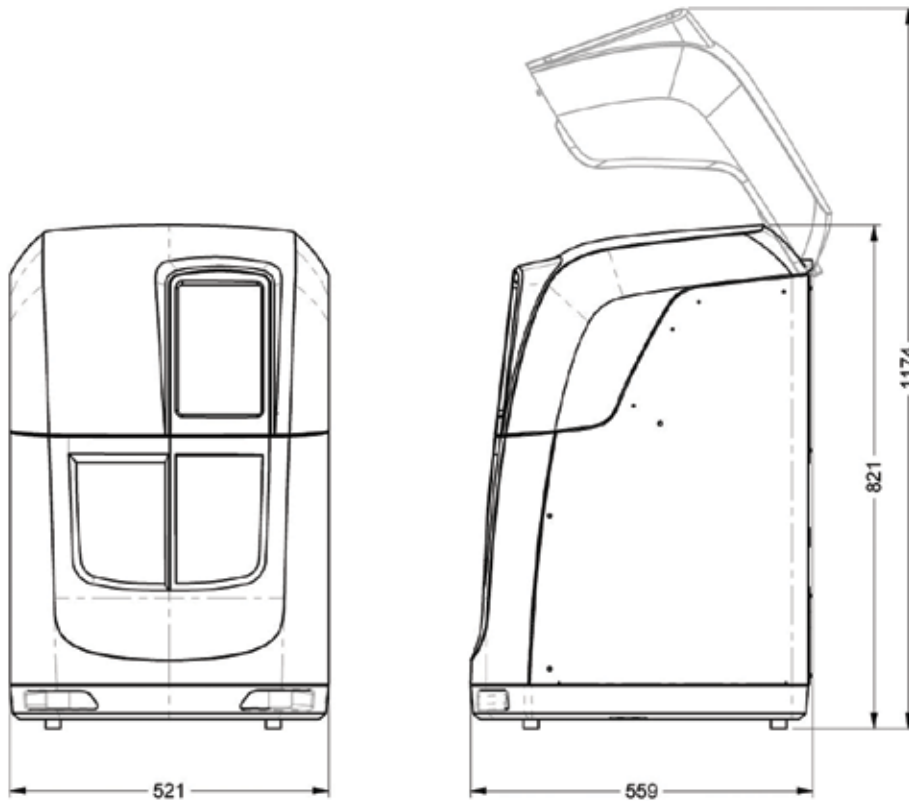
USER-FRIENDLY INTERFACE

Additional features

- Small footprint saves valuable counter space.
- Easy touch-screen operation with user-friendly interface.
- Inherently low torque cutting process minimizes risk of lens slippage.
- Service friendly: all components are easily accessible.

Options

- Lens shelving at various depths as well as in partial areas around the lens for easy processing of complex finishing jobs, e.g. on fashionable sports frames.
- Variable angle drilling provides better cosmetics and easier mounting for a variety of base curves and prescriptions.
- Frame editor software allows editing existing trace files or creating new complex designs quickly and efficiently.
- Cabinet



TECHNICAL INFORMATION

Working Range

- Front base curves: up to 10 dpt
- Minimum finishing B size with half eye clamping assembly: 18 mm rimless; 20 mm bevel
- Lens diameter: max. 85 mm (effective)
- Materials: all organic lens materials; i.e. CR39; Hi-Index; Polycarbonate; Trivex

Communications

- VCA/DCS compatible
- Stand alone

Facilities

- Energy requirements: 90 – 264V, 47-63Hz
1 phase, 350 Watts
- Dimensions (wxdxh): 21 x 22 x 32 inches
521 x 559 x 821 mm
- Weight: 180 lb