

EXCELON

Excellent 3D Edger



 **US LISTED**
Inspection and
Measuring Equipment
3NW4

Huvitz
Pacing Progress toward People

Nothing impossible !



Huvitz Excelon™ provides unparalleled level of versatility and efficiency for today's retail practices need.

With the cutting-edge 3-Dimensional Digital Technology, Excelon™ offers completely integrated automatic finishing requirements, Beveling, Polishing, Grooving and Safety Beveling, for faster, easier and more accurate lens processing.



EXCELON



One-Stop Lens Finishing Process

1

Consisting of the cutting-edge technology, Excelon™ simplifies the finishing operation with the unparalleled efficiency.

Beveling, Polishing, Grooving and Safety Beveling processes are completely integrated and easily performed by a simple touch of a button.

Advanced 3-Dimensional Digital Technology

2

All the finishing processes, tracing to edging, are fully operated with the advanced 3-Dimensional Digital Technology optimizing the productivity and efficiency.

Unmatched Finishing Quality

3

Excelon™ offers superior quality and unmatched accuracy with the excellent features.

- Accurate Tracing fitted to the frame shapes and materials
- 16,000 points of High Resolution Scanning
- Adjustable Grooving Selections with 0.01mm step in depth and width
- Two Phase Customized Safety Beveling

Icon-Based Graphical User Interface

4

High Resolution TFT-LCD (10.4") Color Screen and the intuitive Icon-Based User Interface are harmonized to offer the maximum convenience for everyday use.

Versatile Functions with Digital Technology

5

The 'Digital Pattern' allows to graphically preview and customize lens shapes, avoiding the potential spoilage. Maximum 300 frames can be stored with the large database, 15-layout works can be processed simultaneously as well as the connection with bar code reader.

" Easy-Control System " for Simple Maintenance

6

Graphically Designed Test Mode enables the operator to effectively perform the routine maintenance without the technical assistance. Module-based Engineering allows the easy and convenient replacement of grinding wheels and components.

ALL 3D

Tracer - Fully Automatic

3-Dimensional Tracing

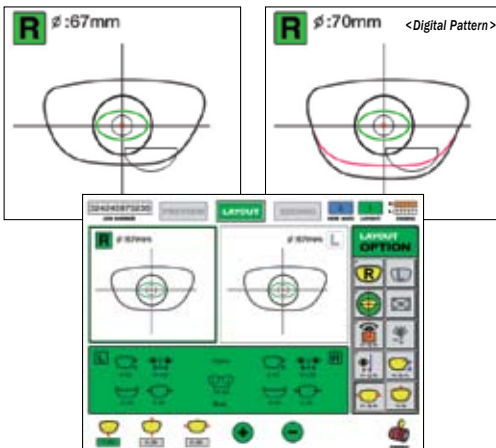
- *Automatic Initialization*
- *Automatic Insertion of scanning stylus*
- *3-Dimensional Fast Tracing of Frames, Patterns and Lenses*
- *Real-Time Automatic Data Transfer to Edger*
- *Left-Eye, Right-Eye or Simultaneous Two Eye Readings Available*
- *Automatic Data Transfer of FPD value to Edger*



PROCESS EDGER

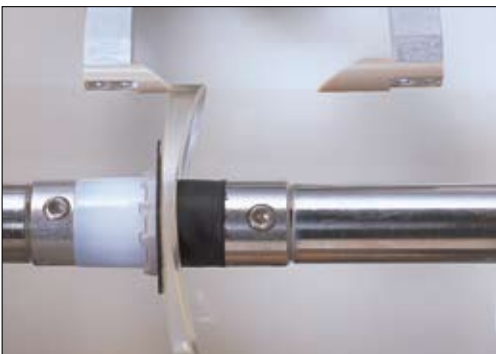
Layout - Digital Pattern Layout

- The "Digital Pattern Layout" modifies the lens shape in left/right, top/bottom as well as circumference and optimizes the fitting challenge for Rimless and Semi-Rimless
- If Optical Centered Layout is not feasible, Geometrical Centered Layout (Boxing) is available alternatively
- Layout for Far Vision and Near Vision in Bifocal Lens are also provided
- Horizontal PD value can be easily adjusted
- Various Input Methods are applied to set the height for the multi-focal progressive lens
- If only the frame is being replaced, the size of old and new frame can be compared on the screen easily



Optimal Beveling and Grooving with 3-Dimensional Measurement

3D Lens Measurement with Lens Feeler



Avoiding the Spoilage with Customized Beveling

3D Edging Process / Beveling

- The Bevel position can be adjusted in 0.01mm step according to the front curve, back curve, lens thickness and frame curve



Bevel Position (Front)

Bevel Position (Center)

Bevel Position (Rear)

Automatic Polishing for Higher Luster Finish

3D Edging Process / Polishing

- Polishing beveled and flat edge.

Automatic Safe Beveling on Front and Rear fitted to the Lens Thickness

3D Edging Process / Safety Beveling

- Safety bevels all materials on one or both sides

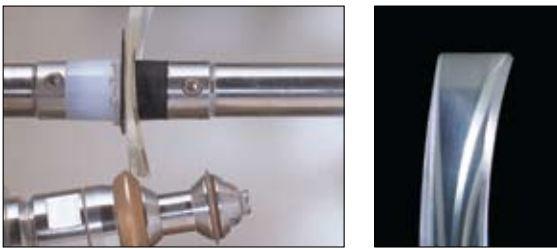


EXCELON

Precise Grooving adjustable in 0.01mm

3D Edging Process / Grooving

- The groove position, depth and width can be adjusted and modified in 0.01mm step for each frame.

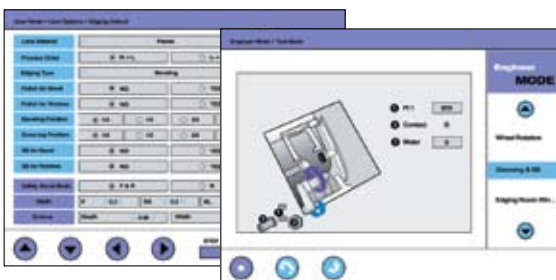


Grinding Wheel

- Four Grinding Wheels for all materials
(Glass Roughing, Plastic Roughing, Finishing, Polishing, Grooving, Safety Bevel Wheel)

Convenient User Interface

- Graphical User Interface supports the operator to easily set and adjust the processing conditions as well as the system default values



Higher Efficiency and Comfortable Work Environment

- Advanced 3-Dimensional Digital Technology substantially reduces the overall cycle time
- Numeric Keypad offers fast data entry
- Simultaneous Multi-Tasking Capability for Higher Efficiency
- Inverter Mechanism allows the low noise in edging mode, ensuring comfortable work environment





SPECIFICATION

EDGING BODY

| | |
|-------------------|------------------------------------------------------------|
| Edging System | Automatic |
| Edging Mode | Beveling |
| | Flat Edging |
| | Grooving |
| | Safety Beveling |
| | Polishing |
| Lens | Glass, Plastic, High Index Plastic, Poly Carbonate, Trivex |
| Edging Size | Max : 90mm |
| | Min : 18mm |
| Weight | 45 kg |
| Power Supply | AC 110/220V, 50/ 60Hz |
| Power Consumption | 1200W (Max) |
| Dimension | 570(W) X 540(D) X 460(H) mm |
| Others | High Brightness Wide TFT LCD Adopted |
| | Bar Code System Available |
| | Networking System |

TRACER

| | |
|-------------------|--------------------------------|
| Dimension | 280(W) X 300(D) X 230(H) mm |
| Tracing System | 3D Binocular |
| Weight | 8 kg |
| Power Supply | AC 110/220V, 50/ 60Hz |
| Power Consumption | 42W (Max) |
| Others | User friendly display with LCD |

Designs and details can be changed without prior notice for the ipurposes of improvement

Huvitz


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