



# C.6 *INDUSTRIAL LINE*

THE MASTER IN LAB EFFICIENCY

**WECO**  
The Vision of Progress

# AUTO-BLOCKING MAXIMIZE EFFICIENCY

Auto Blocking is the only possibility to ensure consistent accuracy in industrial finishing. It reduces the risk of waste by manual intervention drastically. Weco, having a long-term experience in the field of industrial Automatic Blocking, has developed the next generation of its product range in industrial equipment. Beside using same proven technologies as Wavefront Measurement Technology and lens display it offers an up-to-date touchscreen interface and a easy lens access.

It is the fastest manual loading blocker in the market with a productivity of up to 60 Jobs/Hr. The automatism makes life very easy. After calling the job with the barcode reader just place the lens on the tray and put the block into the adapter, then start the process and when finished take out the lens. In five steps to success.



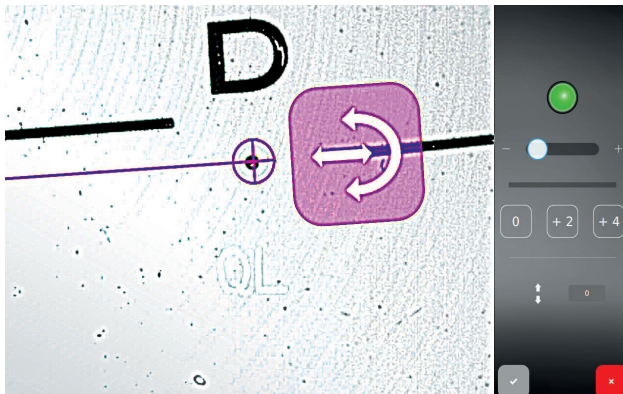
## Easy Access to the Jobs

Get all Job relevant data from your VCA Host with the barcode reader.



## Quick Loading

With an ergonomic loading and unloading system the lens can be placed and taken easily out of the Blocker.



## Most Accurate Centering

With perfect Optics and a High-Resolution imaging camera, it is easy to recognize the laser engravings. With an intuitive System very quickly it is possible to adjust the centration to the most accurate markings on progressive lenses.



## Wavefront based Lens inspection

Single Vision, Bifocal and Progressive Lenses are measured by the Wavefront Sensor, based on Shack Hartmann Principle. Progressive Lens Powers are measured in the points which are given by the host.



## Automatic Blocking

When the measured lens power is within tolerances and shape fits into the lens contour, the C.6 industrial.line will block the lens correctly in position and axis. The whole blocking process will take only a few seconds.



## Customizable Tolerance Database

Adjust the power tolerances for the different lens powers according to your Demands. The C.6 industrial.line is being delivered with a pre-programmed Database according to the ANSI Standards.





# WAVEFRONT TECHNOLOGY THE ONE AND ONLY



Power Readings are checked against the Prescription Values and the tolerances

Patented Power Map® technology measures a multitude of points.

Frame Shape is verified to fit into the Lens Contour, which is detected automatically

Lens is blocked automatically when size and power is OK

WEICO INDUSTRIAL LINE

# C.6 **INDUSTRIAL** **LINE**

## TECHNICAL SPECIFICATIONS



<b>Height</b>	600 mm (24 in)
<b>Width</b>	350 mm (14 in)
<b>Depth</b>	386 mm (15 in)
<b>Weight</b>	27 kg (60 lbs)
<b>Power</b>	80 W
<b>Voltage</b>	230 V 50/60 Hz

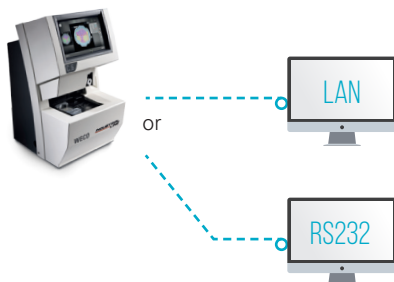
The unit meets the European EMV Standards  
Class A Industry Standard



Capacitive Touch Screen Interface



Barcode Reader included



LUNEAU TECHNOLOGY OPERATIONS

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### WECO C.6 - BLOCKING & CENTERING DEVICE

#### Automatic Centering & Blocking

- Supported Decentration Types  $\frac{1}{2}$  PD,  $\Delta x - \Delta y$ , boxing height or frame height
- Decentering: 0.05 mm step
- Automatic Centering of Single Vision (incl. Prismatic), Bifocal and Progressive Lenses
- Power Measurement on Single Vision and Prismatic Lenses according to prescription
- Power Measurement on Bifocal Lenses according to detected Near Vision Segment
- Power Measurement on Progressive Lenses according to transferred geometrical data (transferred from the VCA Host)
- Power Map ® for Progressive and Single Vision Lenses
- Customizable Tolerance Database for Ophthalmic Lenses according to the ANSI Standards
- Verification if Measured Power is within tolerances
- Verification if Shape fits inside Lens Blank Contour
- Automatic Blocking when Verification is OK
- Manual Blocking when Verification is not OK
- Controlled blocking pressure
- Ergonomic Ramp for taking out the blocked lens

#### Supported Blocking Systems

- WECO / Satisloh Block
- Briot Block
- Nidek Block

#### Lens Types

- Single Vision Lens
- Bifocal lens (Flat / Curve Top)
- Trifocal Lens / Manual positioning of Segment
- Printed Progressive Lens (PAL)
- Unprinted Progressive Lens (PAL) / manual positioning of Laser engravings

#### Measurement range

- |              |                   |
|--------------|-------------------|
| • Sphere     | -10 Dpt / +10 Dpt |
| • Cylinder   | -6 Dpt / +6 Dpt   |
| • Cyl. Axis  | 0° - 180°         |
| • Prism      | 0 - 6 cm/m        |
| • Prism Base | 0° - 360°         |
| • Addition   | 0 - 3,5 Dpt.      |

#### Raw lens dimensions

- |                               |                |
|-------------------------------|----------------|
| • Max / Min Diameter          | 85 mm / 40 mm  |
| • Max / Min Central Thickness | 20 mm / 0,5 mm |
| • Accuracy of detection       | 0,2 mm         |

#### Block range from lens centre

- |                     |                 |
|---------------------|-----------------|
| • Horizontal        | -12 mm / +12 mm |
| • Vertical          | -12 mm / +12 mm |
| • Blocking Accuracy | +/- 0,1 mm      |

#### Processing times

- |                      |     |
|----------------------|-----|
| • Single Vision Lens | 23s |
| • Bifocal Lens       | 26s |
| • Progressive Lens   | 26s |
| • Full Spectacle     | 55s |

#### Connections

- VCA / OMA standard data protocol through
  - Serial Connection RS232
  - LAN Connection (DHCP / Fix IP Address)
- USB Port for Shape Data Transfer (e.g. external OMA libraries)
- RJ45 Network adapter for Software Update Process via Internet