



Automation & Robotics

AutoBlocker For Prescription Lenses

The AutoBlocker is for use in laboratories that edge and mount lenses into frames.

All kind of lenses can be oriented and blocked according to the ink marks or the μ -engravings.

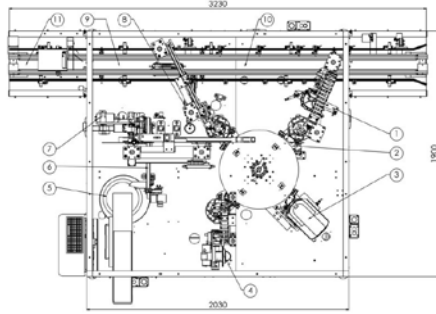
Because the A&R AutoBlocker is task specific, and the system has a small footprint, you can easily integrate it into the lab.

The AutoBlocker is an excellent investment for a modern lab with a rapid payback!



Flexible, high-speed automation with AutoBlocker

Main Features



1. Centering platform
2. Station #1 : Turntable loading + gripper reset
3. Station #2 : Automatic positioning (PPOS)
4. Station #3 : Film applicator Cx side (optional)
5. Bowl feeder
6. Conveyor for finishing blocks
7. Pad dispenser
8. Station #4 : Blocking station
 - + Lens reloading into the original job-tray
9. Film applicator concave side (option)
10. Part of the conveyor used as accumulator
11. Conveyor belt - Ticket printer

Software : OMA/ VC-DCS standard

Dimensions :

L = 203 cm

W = 190 cm

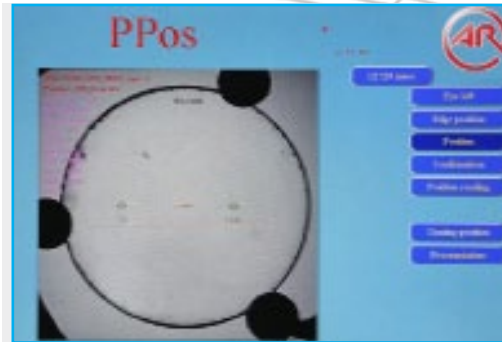
H = 192 cm (without Laminar flow box)

Weight : 1100 kg

Type : MBVP4

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Technical Specifications



Range

- Diameter (via shape measurement) : 50 to 80 mm
- PALs/MULTIFOCAL
 - Max. power for positive axis for progr./bifo lenses: +14 D
 - Min. power for negative axis for progr./bifo lenses: -12 D
 - Cylinder : 0 to 4.00 D
- SINGLE VISION
 - Max. power for positive axis for single vision lenses: +8 D
 - Min. power for negative axis for single vision lenses: -10 D
 - Cylinder: 0 to 4.00 D
 - Maximum decentration of O.C. according to the lens geometric center: 9,9mm
- No prismatic lens (PRP<>0)

Accuracy

- Cylinder axis: $(0.5 + 0.5/C)$, where C= Cyl value in D
- O.C. error: 0,04 cm/m
- Accuracy of the block positioning system according to the reference marks (PAL's) or to the calculated 'best point' (SV): 0.25 mm along 'X' and 'Y', 1° in rotation

Capacity : 135 jobs/hour (12 secs/lens)

Controlled by Industriel PC

Power supply: 2kVA - 1x230 VAC + N + PE (50/60 Hz)*
Air supply: 6 bars - 130l/min

* compatible for non-European power supply on request

Benefits



- Automatic blocking of all lens types
- Fully automatic production
- Correction of eventual R/L inversion (for engraved lenses)
- High capacity
- Auto-calibration with reference lenses
- Auto-train and search of μ -engravings (PPOS)
- Remote maintenance (internet)
- Feedback for statistics*
- Userfriendly interface
 - Interactive dialog and diagnostics
 - Multi lingual diagnostics & Interface
- Compatible for used various block type
- Adaptable to the customer's tray

(* required for ISO9000 certification)

Options



- Film applicator convex side
- Second pad dispenser
- Second bowl feeder
- Film applicator concave side
- Laminar flow box
- Table for rejected lenses

NB : all options are not combinable



BENEFITS

- Automatic detection of the μ -engravings
- Automatic L/R inversion check and correction
- Shape measurement for cut lenses

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