



The optional loading robot HRA feeds the system fully automated.



Every 24 seconds a pair of lenses is cleaned and prepared for coating.



The PRA robot places the lenses back in the job tray fully-automated.

Benefits

Fully automated in-line process

In-line brush cleaning of up to 300 lenses/hour

Additional impulse drying option for drying process

Automated loading and unloading option

No pre-cleaning needed

Low cleaning costs per lens

Short ROI periods



High throughputIn-line cleaning of up to 300 lenses/h.



Very economical Low cleaning costs per lens.



Best cleaning results, no contaminations left.

LCU mcodulo

The LCU Modulo is a fully automated and integrated brush cleaning system. The powerful and efficient in-line system removes contaminations like adhesive residues or fingerprints and prepares all different kinds of lenses for subsequent coating.

To enable a fully automated lens production the LCU Modulo can be extended with the loading robot HRA. After transferring the lenses, they are pre-centered and a sensor scans the edges. Following this, the lens orientation is determined in order to load the lenses in the optimal clamping position.

During the first cleaning step the lenses are cleaned gently using brushes as well as suitable chemicals. Afterwards, the lenses are cleaned in a DI-water cascade removing the chemicals and contaminations before they are dried in a final step. After drying, the PRA unloading robot takes the lenses and transfers them to the coating job tray.

technical data	
lens diameter	from 40 to 80 mm
lens material	all organic and mineral materials
option	HRA for automated loading Flow heater for DI-Water
power consumption	35 kVA
air requirement	min. 6 bar (87 psi)
water requirement	DI-water conductivity < 1 μScm, 1,5 l/min
weight machine	approx. 1800 kg (3968 lb.)
dimensions (width x depth x height)	approx. 2000 x 1615 x 1930 mm (79 x 64 x 76 inches)
	with automation: approx. 8530 x 3384 x 2860 mm (336 x 133 x 113 inches)

All data subject to change without notice. Please verify details with SCHNEIDER.

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