



OptoTech

OAC-90

Vacuum Box AR-Coating System for Ophthalmic Lenses



The OptoTech OAC-90 evaporation coater is used for the application of high quality anti-reflective (AR) coatings and clean coats (CC) on ophthalmic lenses. The OAC coating system is characterized by the product quality for which OptoTech is known, ease of use, and exceptional reliability in the daily production operation.



Technical data

	OAC-90
Lens Capacity for Standard Process	Ø 70 mm: 90 Lenses (standard); Ø 70 mm: 102 Lenses (ringless sector); Ø 70 mm: 110 Lenses (full dome)
Lens Material	All Material
Dome	3 Sectors per Batch or full dome
Dimensions	Width: 1500 mm, Height: 2400 mm, Depth: 2400 mm; Please note the installation plan
Weight (approx.)	2160 Kg
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.



Highlights

- Enhanced cycle time for standard AR process: 25 minutes
- High quality stainless steel vacuum chamber with electropolished surface
- Advanced configuration of pumping system (turbo pump and pre-pump)
- New and energy efficient cyro cooling system with improved performance
- New cooling unit that prevents condensation inside the chamber and amplifies Meissner trap performance
- Optimized and larger Meissner-Trap layout for higher efficiency and reduced defrosting time
- New ventilation system for less contamination and quicker venting time
- New dome layout. 3 different dome setups available (standard, ringless and full dome) for larger loading capacity.
- High performance process control unit
- Electron-beam evaporation system and Ion source
- Thermal evaporation source and IR-heating system
- Thin film deposition control with quartz crystal method

System advantages

- Perfect for mid-size RX-labs
- Reliable in the daily production
- Easy-to-operate, highly flexible and with very short cycle times

Performance characteristics

- DURACOTE* - AR coating on plastic lenses
- DURAFLEX* - Mirror coating in different vibrant colours
- DURAQUARTZ* - AR coating on mineral lenses
- IRIDIO* - Anti-static coating
- IR PROTECT* - IR protection with NIR blocker
- RELAX* - Blue light protection filter
- UV* - UV light protection filter
- Tinted AR* - Tinted lenses in grey or brown (solid)