



OptoTech

OAC-75SP

Vacuum Box AR-Coating System for Ophthalmic Lenses



The OptoTech OAC-75SP is one of the most flexible coating machines on the market. This evaporation coater is used for the application of high quality anti-reflective (AR) coatings, clean coats (CC), mirror coats as well as tinted coats 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-75SP
 DURACOTE	Broadband AR coating on plastic lenses
DURAFLEX	Mirror coating available in different colours like silver, gold, blue...
DURAQUARTZ	Broadband AR coating on mineral lenses
IRIDIO	Anti-static coating
IR PROTECT	IR protection with NIR blocker
Lens Capacity for Standard Process	Ø 70 mm: 60 Lenses Ø 65 mm: 72 Lenses
Lens Capacity for Tinted Gradient AR	36 lenses (4 lenses in ø80 mm + 32 lenses in ø75 mm)
Lens Material	All Material
Dome	4 Sectors per Batch
RELAX	Blue light protection filter
Tinted AR	Tinted coating in grey or brown
Tinted Gradient AR	High-Fashion gradient coating in combination with mirror coating
UV	UV light protection filter
Dimensions	Width: 1520 mm, Height: 2200 mm, Depth: 3200 mm; Please note the installation plan
Weight (approx.)	2700 kg
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.





Highlights

- High quality stainless steel vacuum chamber with electropolished surface
- Pumping system with turbo pump and pre-pump
- Meissner-Trap with cryo-cooler
- Process control unit with user interface
- Electron-beam evaporation system
- Thermal evaporation source
- Ion source
- IR-heating system
- Thin film deposition control with quartz crystal method

System Advantages

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

Performance Characteristics

NEW Tinted Gradient AR process: The tinted gradient is applied directly in the AR-process in highest quality (100% stable tinting results) without the need of a separate tinting machine. You can now coat different indices (also high index) as well as freeform lenses in the same batch. Moreover, you have a maximum flexibility in the design of your gradient with regards to color, length, position and intensity. Even customized gradient shapes are possible. Moreover, Tinted Gradient AR can be combined with hydrophobic and AR-coatings in one and the same process as well as high fashion mirror coatings in a separate process.

Options

- Diffusion pump
- Special and customized coatings on request
- Wide range of coating consumables and coating materials available