OptoTech

OAC-140SP

Vacuum Box AR-Coating System for Ophthalmic Lenses

The OptoTech OAC-140SP is the most flexible coating machine in its size 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.

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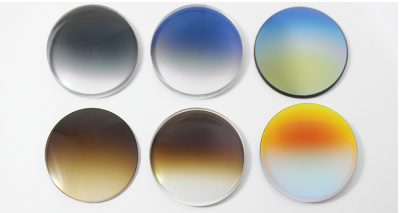
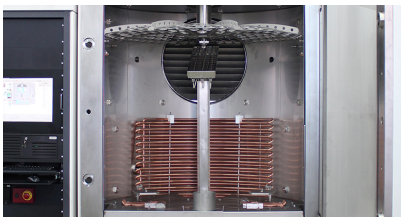
Technical Data

	OAC-140SP
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: 240 Lenses Ø 65 mm: 270 Lenses
Lens Capacity for Tinted Gradient AR	Ø 70 mm: 168 Lenses Ø 65 mm: 256 Lenses
Lens Material	All Material
Dome	8 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: 2350 mm, Height: 2340 mm, Depth: 3550 mm; Please note the installation plan
Weight (approx.)	4920 kg
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.





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Highlights

- High quality stainless steel vacuum chamber with electropolished surface
- Pumping system with diffusion 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 large 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.

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