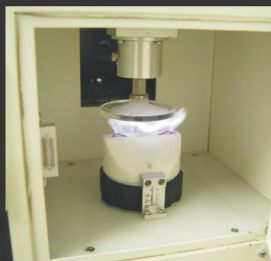


Chemalux[®] 100 Multifunctional Coating System

Be independent & create your own identity

- Affordable - Compact - EZ-to-Use

The Chemalux 100 Multi-Functional Spin Coating System is a table-top coating system. It is the first multi-functional system capable of doing anti-reflection coatings, scratch resistant coatings, mirror coatings and/or easy-clean coatings in a compact space. It is designed to enable optical retailers and small labs to bring premium coatings in-house at an affordable investment. With the Chemalux 100 System, you control your own destiny, provide better customer service, grow your business, and capture a highly profitable market segment.



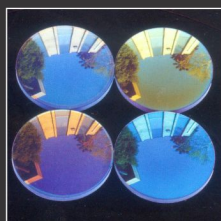
Lens Surface Treatment
by Corona



SR - AR Coatings
Cured by Lights



The Chemalux 100 spin coating system integrates high pressure water washing, scratch resistant coating, anti reflection coating and mirror coating into a compact table top system. The system is controlled by a micro-computer, utilizing a touch panel screen. The sophisticated technology of the Chemalux Spin Coating System is built right into the unit, making it simple to use and maintain. Your operator does not need optical industry experience, just attention to detail.



SR + AR + Mirror



OPTICS INDIA
EQUIPMENTS PVT. LTD.

Spin AR coating technology

Bring tomorrow's technology into today's optical lab

Why does AR coating have to be made by a large, expensive vacuum system ?

Today, many technologies for the AR coatings exist. Although as the evaporation and the sputtering are widely used, they require complicated and bulky equipment. The spin coating and the dip coating, are paving way for making optical coatings and both AR and mirror. A division of Chemat Technology Inc. has devoted to apply spin technology to make the AR coating for ophthalmic lenses.

Durable Scratch Resistant Coatings

The Chemalux system (100 and 600) utilize Chemat's specially designed solution (AR Base) to make scratch resistant coatings. AR Base coatings are 100% solid, i.e., solvent free. The AR Base SR coating is highly scratch resistant coating, easily tintable (tinting to a true gray 3 in about 15 minutes) and may be used with virtually every current lens material without changing the coating process. In addition, it provides an excellent base for Chemalux AR coatings.

Hybrid Anti-Reflection Coatings

The Chemalux AR coatings use hybrid organic-inorganic nano-composite materials, instead of brittle ceramic layers used in traditional vacuum AR. The unique Chemalux hybrid AR coatings are as flexible as the plastic or poly lens materials, so Chemalux AR coatings resist cracking, creezing or peeling. The Chemalux AR solutions are formulated to chemically bond to the hard coated lens substrate, creating superior adhesion.

Stylish Flash Mirror Coatings

A choice of flash mirror coatings can be made using the Chemalux systems, with fabrication controlled through a simple to use touch panel screen. Chemalux flash mirror coatings are derived from the same chemistry as Chemalux AR coatings. The flexibility of the hybrid materials makes the flash mirror coating more impact resistant, virtually eliminating cracking, creezing and delaminating.

Throughput	up to 12-16 pairs AR/day
Coating Cycling	7 minutes per side
Dimension	23" x 21" x 21"
Power	110V or 220V/10 A
Compressed Air	80 - 150 psi
Water Supply	Distilled Water



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