



HARD COATING

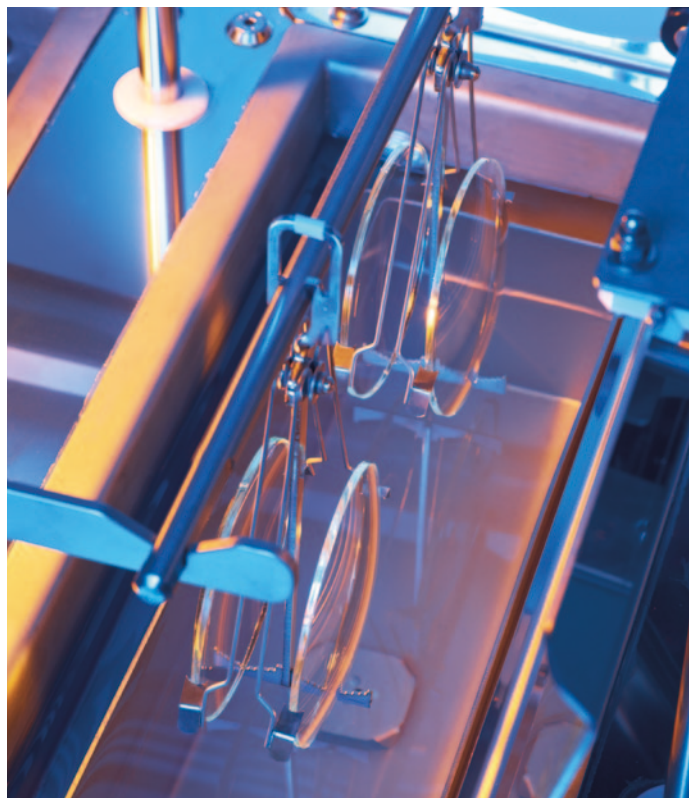
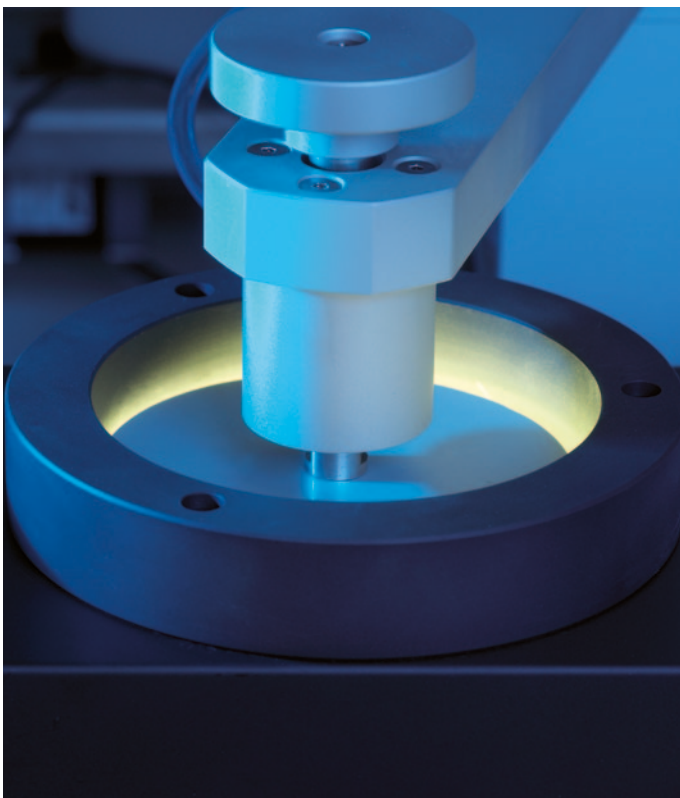
LEADING SCRATCH RESISTANCE TECHNOLOGY

HARD COATING

Coating expert Satisloh provides complete hard coating solutions to meet the needs of any production environment. To achieve the best results in scratch-resistance, Satisloh has a variety of high-tech equipment with matching consumables and processes available, allowing each lab to design their individual solution.

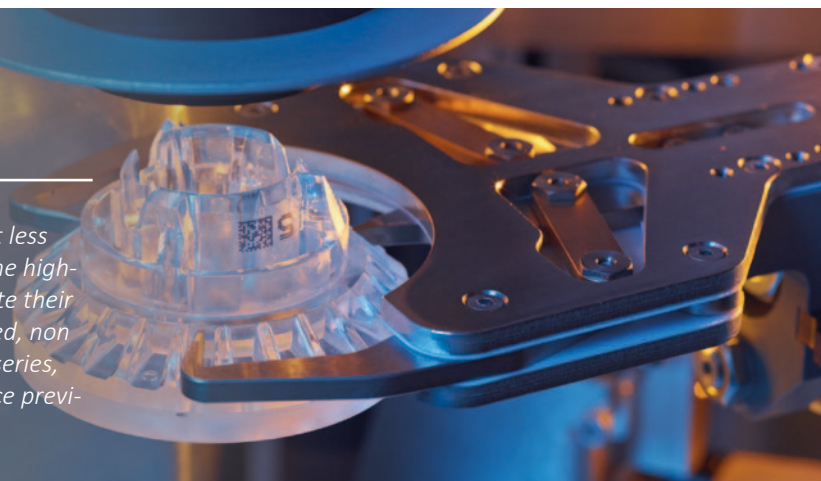
Machines with different capabilities provide the perfect match for each application: dip- or spin-coating; on or off the block; manual or automated.

Choosing the right hard coating is key for the best AR coating performance. Satisloh provides the perfect matching hard coat to achieve highest AR adhesion, craze- and scratch resistance.



SPIN COATING

Spin Coating is the right choice for labs that want less complex production and a low investment with the highest process speed and the option to fully automate their hard coating process. Using the new solvent based, non tintable chemistry available for the Magna-Spin series, labs can achieve extremely high scratch-resistance previously not possible with spin coating technology.



FEATURES + BENEFITS

- Magna-Spin-Auto ideally complements Satisloh's automated ART-line, while Magna-Spin is a great match for low to mid volume production.
- Easy to handle: one piece flow, no lens batching required
- Maintenance free, sealed lacquer container system
- Extremely high speed due to UV curing
- Consistent UV light intensity due to e-ballast inputs controlled by software system
- Robust design for maximum up-time and consistently high yields
- Magnetic driven rotation system provides low friction with less wear on motors and spin mechanism
- Self-centering lens loading station based on lens mass rather than geometry for even coating (unblocked lenses)
- Optional dosimeter for monitoring actual bulb energy
- Standard dual lacquer system automatically chooses correct lacquer based on lens material. Three-lacquer option available for Magna-Spin with solvent based chemistry

SPIN COATERS

Magna-Spin-Auto

- high volume
- full automation
- only for lenses on Satisloh's alloy free blocks
- no touch cleaning process included



Chemistry options

- solvent based
- all solids (available Q1/2017)

Magna-Spin

- low to mid volume
- semi-automated
- compatible with lenses on Satisloh's alloy free blocks or off the block
- manual pre-cleaning required



Chemistry options

- solvent based
- all solids

Productivity	up to 110 lenses/hour (solvent based) up to 120 lenses/hour (all solids)	up to 90 lenses/hour (solvent based) up to 100 lenses/hour (all solids)
Dimensions (wxdxh)	3210 x 1302 x 1808 mm / 126 x 51 x 71 in	956 x 1100 x 1800 mm / 38 x 43 x 71 in



DIP COATING

Dip coating is the right choice for labs that need to coat both sides of uncoated lenses and expect maximum scratch resistance and uniform performance on front and back. It is the most economical solution for high volume labs that are able to coat in batches.

FEATURES + BENEFITS

- 7 step cleaning system featuring surface etching, ultra-sonic DI water rinsing, slow lift out and drying station
- Automatic operation for highest yield; no moving parts over the process stations
- All cleaning and rinsing baths with automatic level control for constant and repeatable washing efficiency
- 3 dip coat stations (1 for primer, 2 for lacquers) offer highest production flexibility
- Automatic covers protect the coating lacquers' chemical characteristics
- Pre-curing stages with ceramic IR, electronic regulation and automatic covers for uniform drying
- Step-by-step motor and lead screw dipping system for precise and repeatable hard coating thickness and high yield
- Plug & coat: easy installation and set-up
- Full system solution including accessories, consumables and process support
- Can be fully integrated as part of Satisloh's lens coating suite (including AR and top-coating)

DIP COATERS

SL-DC-4S/6S:

4 or 6 lenses per rack



Productivity	SL-DC-4S: up to 48 lenses/hour	SL-DC-6S: up to 72 lenses/hour
Dimensions (wxdxh)	SL-DC-4S/-6S: 3311 x 1215 x 2078 mm / 130 x 48 x 82 in	



For detailed technical specifications, scan the QR code or go to:
www.satisloh.com/techspecs

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