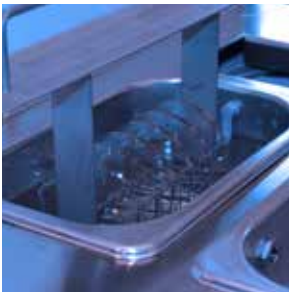


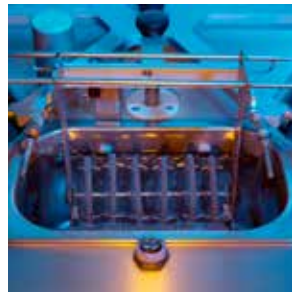


ULTRASONIC CLEANING

CLEAN & DRY LENSES "READY TO COAT"



Hydra-sonic-5 semi-automated cleaning and drying process



Hydra-sonic-10 automated system to lift-out lenses



Hydra-sonic-10 compact "plug & wash" system



Hydra-sonic-40 fully automated ultrasonic cleaning system

HYDRA-SONIC

Satisloh's offers ultrasonic cleaning systems to remove residue from the surface of ophthalmic lenses. The systems come in four different configurations to accommodate the production needs for labs of all sizes. From semi-automated to fully automated ultrasonic cleaning & drying up to 384 lenses per hour.

FEATURES + BENEFITS

- Fully automated cleaning and drying process with adjustable "lift-out" system combined with special heating is key to consistently deliver AR lenses with repeatable adhesion and color properties.
- Hydra-sonic-40 & Hydra-sonic-20 have a customizable loading and unloading conveyor belt connection (optional) while Hydra-sonic-5 and Hydra-sonic-10 are loaded and unloaded manually.
- Environmentally-friendly closed unit
- Automated lens lift-out system
- Low consumption of detergents and water
- Wide productivity range fits various production needs

OPTIONS

- Customizable loading and unloading conveyor belt connection**
- External DI water de-ionizer

Hydra-sonic-5 & Hydra-sonic-10

- Low tap water consumption
- Clean room installation compatible
- Compact "plug and wash" system
- Lenses ready to coat
- Integrated DI water producer*

Hydra-sonic-20 & Hydra-sonic-40

- Environmentally-friendly drying system with infrared heaters
- HEPA filter working area
- Compact "plug and wash" system
- Lenses ready to coat

* Hydra-sonic-10 only

** Hydra-sonic-20 & Hydra-sonic-40 only

TECHNICAL SPECIFICATIONS

	Hydra-sonic-5	Hydra-sonic-10	Hydra-sonic-20	Hydra-sonic-40
Productivity (lenses/hour)	72	72	144	384
Throughput per 8 hour shift	576	576	1152	3072
Basket lens capacity/tank	6	6	14	32
Number of Tanks	4	6	9	8
Tank capacity in liters	4	4	8	30
DI water producer unit required	External	Integrated	External	External
Automatic basket lifting system	Yes	Yes	Yes	Yes
In/out conveyors	No	No	Yes	Yes
Remote TCP/IP protocol assistance	No	No	Yes	Yes
Dimensions (wxdxh)	1300 x 650 x 1400 mm 51 x 26 x 558 in	1500 x 800 x 1300 mm 59 x 32 x 51 in	4650 x 1100 x 2325 mm 186 x 44 x 92 in	6210 x 1250 x 2325 mm 244 x 49 x 92 in
Weight	230 kg/507 lb	340 kg/750 lb	800 kg/1764 lb	1750 kg/3858 lb

All technical data subject to change without notice. Verify details with Satisloh.

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