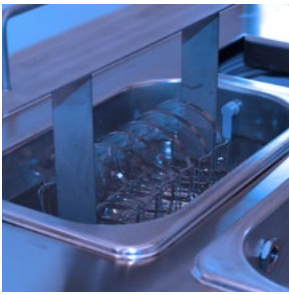


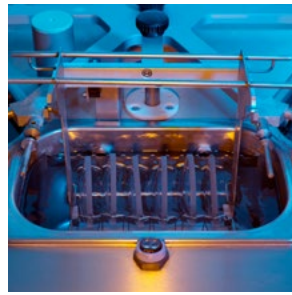


# ULTRASONIC CLEANING

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
<b>Productivity (lenses/hour)</b>	72	72	144	384
<b>Throughput per 8 hour shift</b>	576	576	1152	3072
<b>Basket lens capacity/tank</b>	6	6	14	32
<b>Number of Tanks</b>	4	6	9	8
<b>Tank capacity in liters</b>	4	4	8	30
<b>DI water producer unit required</b>	External	Integrated	External	External
<b>Automatic basket lifting system</b>	Yes	Yes	Yes	Yes
<b>In/out conveyors</b>	No	No	Yes	Yes
<b>Remote TCP/IP protocol assistance</b>	No	No	Yes	Yes
<b>Dimensions (wxdxh)</b>	1300 x 650 x 1400 mm 51 x 26 x 558 in	1500 x 800 x 1300 mm 59 x 32 x 51 in	5110 x 1100 x 2325 mm 201 x 43 x 92 in	6210 x 1250 x 2325 mm 244 x 49 x 92 in
<b>Weight</b>	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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