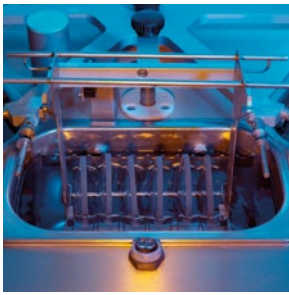




# ULTRASONIC CLEANING

SYSTEMS FOR ALL LAB SIZES





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



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



Hydra-sonic-40 fully automated ultrasonic cleaning system

## FEATURES + BENEFITS

With three ultrasonic cleaning systems available, Satisloh has a model to accommodate the production needs for labs of all sizes. The largest, the Hydra-sonic-40 delivers 384 lenses/hour while the Hydra-sonic-10 and the smallest unit, the Hydra-sonic-5 deliver 72 lenses in the same time. The cleaning systems feature fully enclosed cabinets which protect against ambient air contamination. The 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. The Hydra-sonic-40 has 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

### Hydra-sonic-5 and 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-40

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

## OPTIONS

### Hydra-sonic-5, Hydra-sonic-10 and Hydra-sonic-40

- Customizable loading and unloading conveyor belt connection\*\*

\* Hydra-sonic-10 only \*\* Hydra-sonic-40 only

## TECHNICAL INFORMATION

	Hydra-sonic-5	Hydra-sonic-10	Hydra-sonic-40 <sup>1)</sup>
<b>Dimensions (w x d x h)</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	6210 x 1250 x 2325 mm 244 x 49 x 92 in
<b>Weight</b>	230 kg/507lb	340 kg /750 lb	1750 kg/3858lb
<b>No. of tanks</b>	4	6	8
<b>Tank capacity (Liters)</b>	4	4	30
<b>Lens capacity per basket/tank</b>	6	6	32
<b>Throughput per 8 hour shift</b>	576	576	3072
<b>DI water heating 60° + recirculation</b>	Yes	Yes	Yes
<b>External DI water producer unit required</b>	Yes	No (integrated)	Yes
<b>Automatic basket lifting system</b>	Yes	Yes	Yes
<b>In/out conveyors</b>	No	No	Yes
<b>Power consumption</b>	2.5kW	3 kW	23 kW
<b>Tap water consumption (liters/hour)</b>	110	225	720
<b>Supply connection</b>		400 V, 50/60 Hz, 3P+N+E	

<sup>1)</sup> Available versions: Hydra-sonic-40-2G or Hydra-sonic-40-3G

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