



Ultrasonic Cleaning,
Innovative Thinking

OPTICS FISALABS One

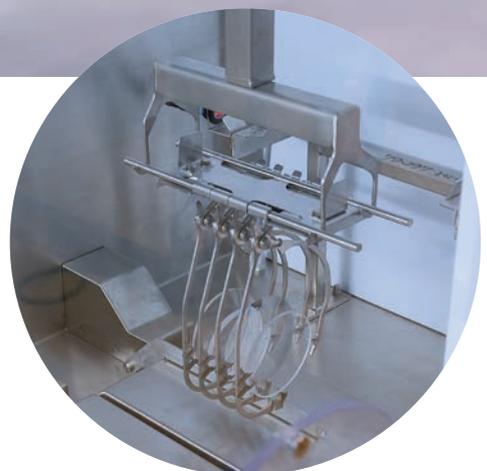


Dip coating, reinvented

After more than 35 years of experience in the ophthalmic market, FISA engineers have redefined from scratch a dip-coating machine able to process a wide variety of lenses and recipes in a small scale for small Rx Laboratories.

This machine offers new controller, new robot, new ultrasonic power management, new pre-cure design, new tooling, new process management.

In brief, it is smarter, smaller and stronger than ever.



- ROBOT
- FLUID MANAGEMENT
- TOOLINGS
- HMI CONTROLLER
- SOFTWARE PLUGINS
- ULTRASOUNDS TECHNOLOGY

SMALLER

The FISALABS One is equipped with 8 tanks for surface preparation and 4 tanks for primer and coating, as well as drying, cooling and pre-cure tanks. Due to its smart robot, the footprint has been reduced to a minimum. The tanks are built for 4 up to 8 lenses.

The chassis contains all the hydraulic elements of the process and the electrical cabinet on isolated area. The backside of the frame receives the DI-water treatment system, the refill system for the detergents and for the coatings, as well as the cooling unit for coating temperature control.

Finally, this machine complies with the ATEX norms.



SMARTER

FISALABS One is equipped with the latest MCU Controller that allows customer to focus on process parameters instead of lines of instructions. All plugins are available to enable full traceability, report alarms via text or email, integrate into industry 4.0 environment. Remote access for troubleshooting is also part of the software package.

Due to its small and wireless RCB02 robot, the FISALABS One can produce from 28 to 80 lenses / hour.

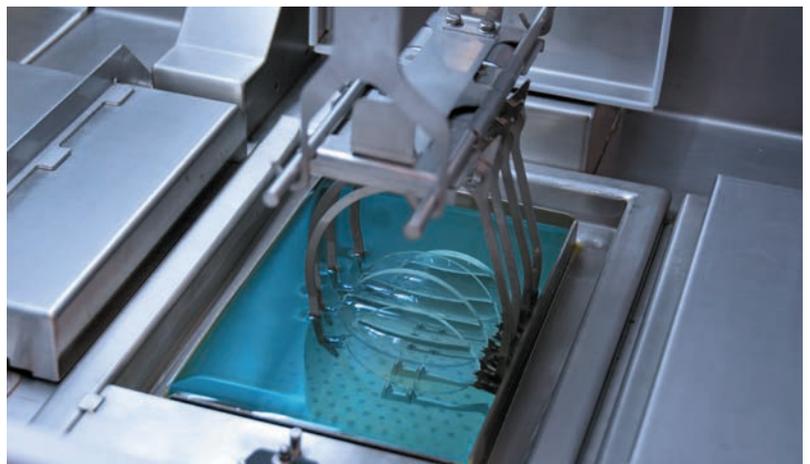
The increase of capacity can be achieved by adding a second robot for a low investment cost.

STRONGER

Just like all FISA machines, the FISALABS One makes no compromise with the highest quality standards for machinery manufacturing.

The chassis is made of SS argon arc welded tubes. The frame that receives the tanks is also made of SS 316L.

All cleaning and rinsing tanks have flanged multigrequency transducers. The upper enclosure is made of plastic and includes air flow inlet, fan and HEPA filter that guarantees an ISO5 environment for the lenses.



Technical Specifications

• Tank size: 130x200x140 h liquid	Electricity: 230V, 1 Ph + PE 50hz / 60hz
• Coating tanks sizes: 130x120x130 and 130x200x130	Installed power: 10 KW
• Machine size: 3710x1920x843 without auxillaries	Compressed air: 6 bar / 250 NL/min
Other dimensions on request	