



Ultrasonic Cleaning,  
Innovative Thinking

# OPTICS Machines for Mass Production

A complete range of equipment for processing ophthalmic lenses during mass production



Fisa **MC** series

Fisa **MR** series

Fisa **CCB** series

**MC** series



### Fisa, ready for you to rely on us

We are always ready to develop solutions in order to create installations that are wholly adapted to customer requirements, with complete technical back-up from design to production set-up, testing and maintenance.

You can rely on us because we use and test certified components in compliance with current legislation.

Fisa offers its customers turnkey cleaning process solutions.

High Performance Treatment

for the Optical Industry



# OPTICS Machines for Mass Production

## Fisa MC series

### Cleaning of glass molds

Specific configurations available for CR 39 and high index glass molds, using specific acid or semi-aqueous process of organic lenses.

Flexible capacities available, ranging from 500-5000 molds / hour.



Fisa offers a complete set of detergent products, for use in the cleaning and surface preparation stages. Additionally Fisa can provide water treatment media for the d.i. water loops utilized in the different systems.

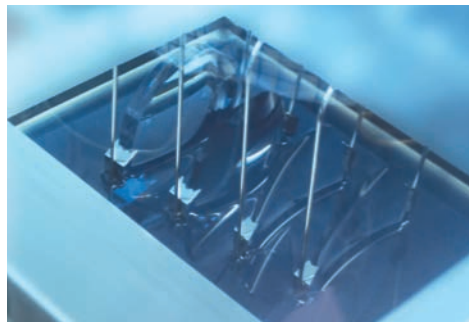
## Fisa MR series

### Removal of monomer residues

Fully automated ultrasonic cleaning lines; designed to remove monomer residues from the surface of cast lenses and parts.

Several configuration available, using different chemicals in order to deal with the process requirements of various monomers.

Flexible capacities available, ranging from 500 - 3000 lenses/hour.



## Fisa CCB series

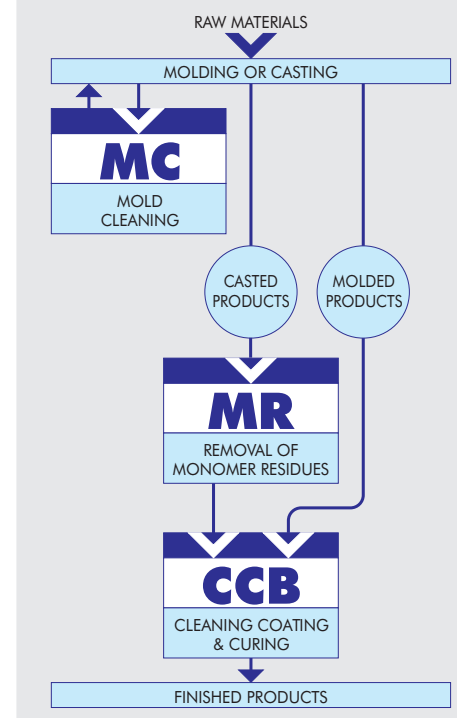
### Cleaning, coating and curing lines

Fully automated production lines: cleaning coating and curing of substrates using dip-coating processes.

Self-contained tunnel including:

- surface preparation phase. Rinsing and drying phases with integral DI water closed-loop
- coating and pre-cure phases with temperature and humidity control
- in-line final curing tunnel oven Flexible capacities available, ranging from 1000 - 10000 lenses/hour.

## Cleaning process



## MCU

In order to know how each basket was processed during all the different stages of the cleaning process, your machines constantly check and record all essential parameters via the MCU (Machine Controller Unit) and FISA TS (FISA Traceability System).

