



# MC-380-X-2

MASSIVE PERFORMANCE, COMPACT SIZE

## MC-380-X-2

# FASTEST BOX COATER FOR MID-VOLUME LABS

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*The MC-380-X-2 is the newest coater in Satisloh's almost 60-year dynasty of innovative AR and mirror coating solutions. This 5th generation coater is perfect for medium size labs but provides the same powerful solutions as larger coaters.*

A full dome with capacity extension options, a bigger Meissner trap with up to 30% increased capacity (vs. previous generation) for accelerating the moisture absorption rate and an ultra-fast venting option are just a few features that increase productivity and make the new MC-380-X-2 the fastest coating system on the market!

The MC-380-X-2 runs numerous AR and mirror coating processes on organic and mineral lenses as well as in-chamber tinting on mineral lenses. Different configuration levels from Economy to Premium and a wide range of substrate holders from full or sector domes to flip-over systems ensure a suitable solution for every lab.

Its sophisticated robust and compact open-frame design makes it easy to position in the lab, even with limited space. It houses pumps

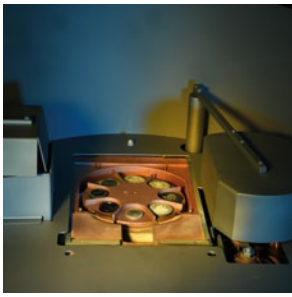
and thermoconditioner inside and features a detachable control rack and standard pivoting and leveling wheels. All machine components are easily accessible to make maintenance as easy as possible.

The machine comes preloaded with the free MES-360 Lite software that provides labs with daily, weekly, and monthly reports for:

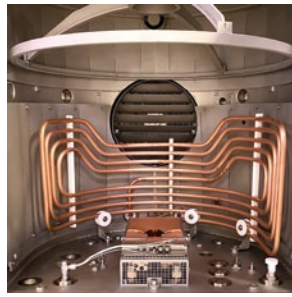
- Batch runs
- Machine utilization
- Door open time
- Top 5 errors

An upgrade to the full version of Satisloh MES-360 Manufacturing Execution System can be done at any time.





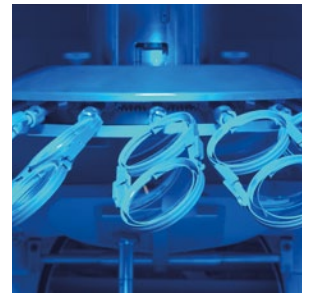
*Ion gun head with shutter, electron beam gun with removable crucible and shutter, and thermal source (from left to right)*



*Meissner trap with up to 30% increased pumping capacity*



*Control rack detachable from vacuum chamber frame for easy placement*



*Various lens holders available (shown: fast flip-over)*

## FEATURES + BENEFITS

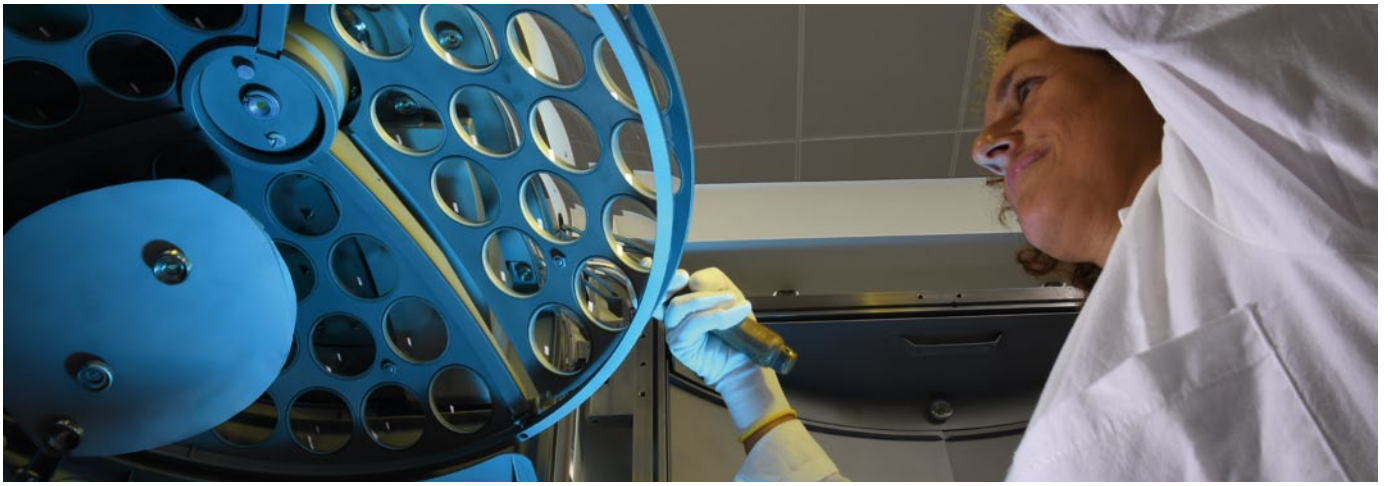
- High capacity: up to 74 lenses Ø 70 mm (with ringless full dome)
- Bigger Meissner trap with up to 30% increased capacity for accelerated moisture absorption rate
- Ultra-fast venting option combined with a new gate valve drastically reduces door-to-door processing time
- Double thermal sources allow evaporation of a second substance by releasing two positions in EBG pocket
- Unmatched process and substrate flexibility: the system deposits anti-reflective (AR) and/or mirror coatings on both organic and mineral lenses, and in-chamber tinting on mineral lenses
- Dry rotary pump (optional) with frictionless oil-free pumping module provides 53% more pumping capacity, constant pumping performance over time and long maintenance intervals
- Removable heating system for vacuum chamber degassing
- Re-engineered, easy accessible component positioning for quick and simple maintenance
- Detachable control rack and pivoting and leveling wheels for space-saving and easy positioning in the lab
- Compact footprint with pumps and thermoconditioner inside the machine
- Free MES-360 Lite software included

## OPTIONS

- Ion gun head "Mark II"
- Extendable mask for special processes
- Flippable uniformity mask for full domes
- Ultra-fast venting
- High vacuum gate valve
- Single and double thermal sources
- Medium-high (150°C) and high (300° C) temperature packages
- Dry rotary pump
- Top, back and upper right frame panels
- Substrate holders: sector dome, full dome, ringless full dome, flip-over, fast flip-over, gradient system
- Satisloh MES-360 Manufacturing Execution System
- Satisloh coating processes and consumables

Lab **4.0** ready





## TECHNICAL SPECIFICATIONS

<b>Capacity</b>	Ringless full dome: Ø 70 mm up to 74 lenses Full dome with rings: Ø 70 mm up to 67 lenses 3-sector dome: Ø 70 mm up to 60 lenses Flip-over: Ø 70 mm up to 42 lenses Fast flip-over: Ø 70 mm up to 32 lenses Express AR: 45 ART blocks <i>For capacities with other lens diameters, please contact Satisloh.</i>	
<b>Lens Materials</b>	CR39, Polycarbonate, Trivex, High Index, Acrylic, Photochromic, Mineral glass	
<b>Processes / one side process time*</b>		
<b>Antistatic Broadband AR</b>	Ultimate, Premium, Protect-Blue, Protect-UV, Protect-Complete	26 to 31 min
<b>Broadband AR</b>	Performance, Classic, Performance 6M**, Multicote X**	24 to 61 min
<b>Specialized AR</b>	High Contrast, Fog-Free, Achroma, Achroma Z	28 to 32 min
<b>In-Chamber tinting</b>	Brown M** (absorption levels 15%, 25%, 50%, 75%, 85%)	31 min
<b>Dichroic Mirror</b>	Spectraflex (white / silver, violet, blue, green, jade, gold, orange, red, infrared, others on request)	42 to 47 min
<b>Metallic Mirror</b>	Silver, blue, gold, others on request	23 min
<b>Consumables</b>	For an overview of our wide range of high quality consumables please refer to our online catalogue: <a href="http://www.satisloh.com/consumables-tools">www.satisloh.com/consumables-tools</a>	
<b>Dimensions (wxdxh)</b>	1609 x 2157 x 2195 mm 64 x 85 x 87 inches	
<b>Weight</b>	1570 kg / 3461 lbs	
<b>Energy requirements</b>	20 kWh (typ. 2,7 kWh excl. cascade cooler)	

\* door close to door open process time

\*\* Process for mineral glass lenses only

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

## CONTACT

**Satisloh AG**  
 Neuhofstrasse 12  
 CH - 6340 Baar  
 Switzerland  
 Phone: +41 (0) 41766 16 16  
 Email: [info@satisloh.com](mailto:info@satisloh.com)

[www.satisloh.com](http://www.satisloh.com)

### North America

### Europe

### Asia

### Central & South America

**Sales**  
**Phone:** +1 262 255 6001  
**Email:** [info.usa@satisloh.com](mailto:info.usa@satisloh.com)  
**Phone:** +49 (0) 6441 912 0  
**Email:** [info.de@satisloh.com](mailto:info.de@satisloh.com)  
**Phone:** +852 27 56 7711  
**Email:** [info.asia@satisloh.com](mailto:info.asia@satisloh.com)  
**Phone:** +55 11 2930 8600  
**Email:** [info.latam@satisloh.com](mailto:info.latam@satisloh.com)

**Service**  
**Phone:** +1 262 255 6001  
**service.usa@satisloh.com**  
**+39 02 33 55 66 77**  
**service.it@satisloh.com**  
**+852 27 56 7654**  
**service.asia@satisloh.com**  
**+55 11 2930 8600 (pt)**  
**+57 300 798 3374 (es)**  
**service.latam@satisloh.com**

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