

1200-TLX

POWERFUL LARGE-SIZE BOX COATER WITH TURBO PUMPS
& REVOLUTIONARY SLIM RING DESIGN

1200-TLX

COATING UNIFORMITY & DURABILITY

Satisloh's 1200-TLX AR box coater, utilizes a revolutionary new sector dome design with slim rings, achieving the most efficient result in capacity and productivity for high-volume anti-reflective or mirror coating lens production. Two turbo pumps magnetically levitated keeps energy consumption low while its intuitive design, software and serviceability are user-friendly.

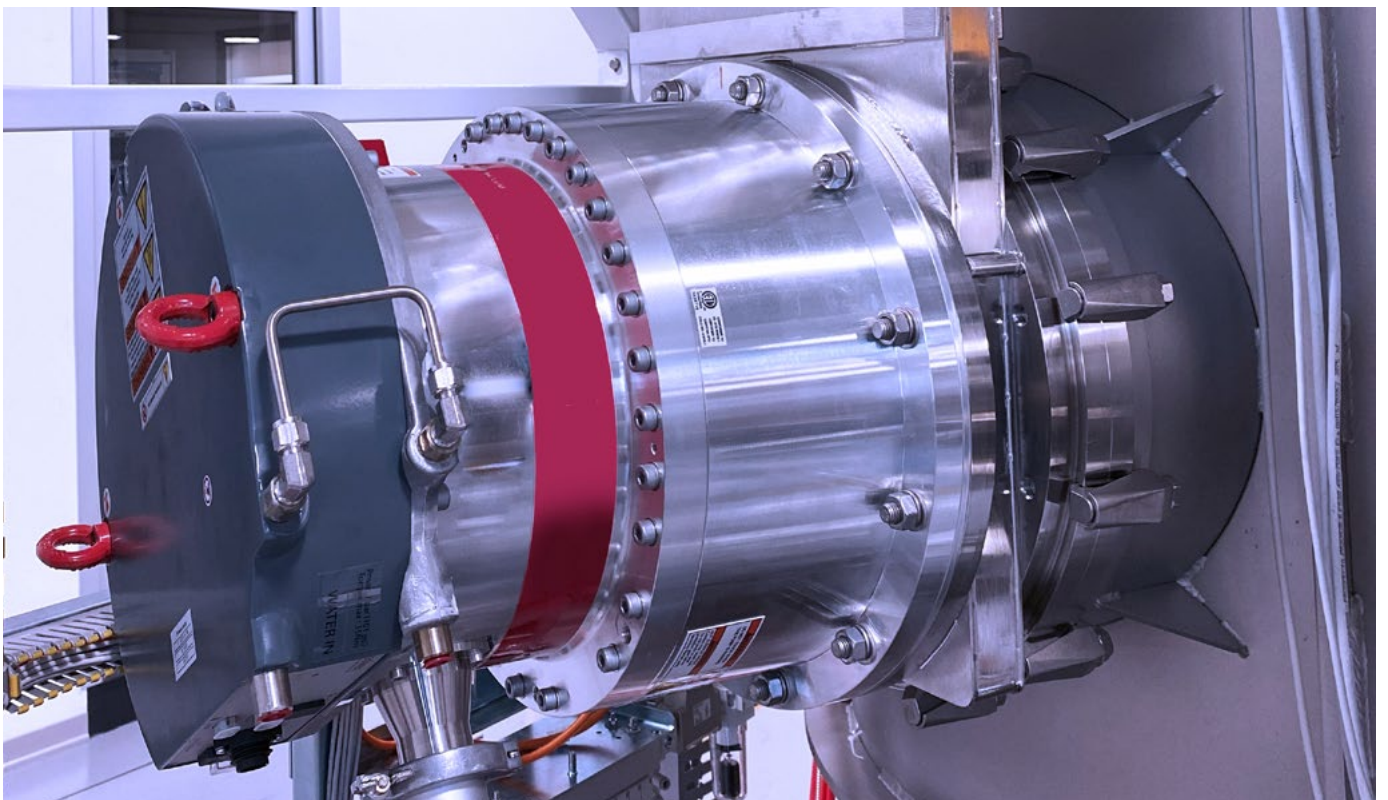
Satisloh's 1200-TLX, with its magnetically levitated turbo pumps, offers your lab a reliable, efficient, and clean solution for high-volume, high-quality lens coating. It delivers premium coating results batch after batch, maximizing productivity while ensuring top-tier coating standards.

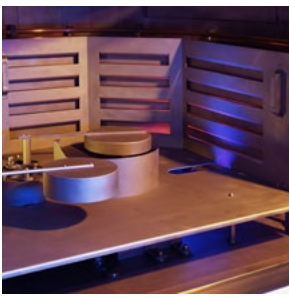
The magnetically levitated pumps operate without mechanical bearings, eliminates friction and wear, ensuring longer pump life, reduced maintenance, and minimized downtime—keeping your production line running smoothly.

With unmatched performance, the pumps enable faster pump-down times and quicker cycle turnover, boosting overall productivity.

MES-360 Lite Software for basic data analysis and preconfigured KPI report (PDF) comes with the machine. Labs can upgrade to the full version of MES-360, to trace machine performance, coating batching and track breakage.

1200-TLX comes with two magnetically levitated turbo pumps





Intelligent movable shields optimizes pumping speed.



Larger Meissner Trap higher throughput



Portable degassing system.



User-friendly HMI software.

FEATURES + BENEFITS

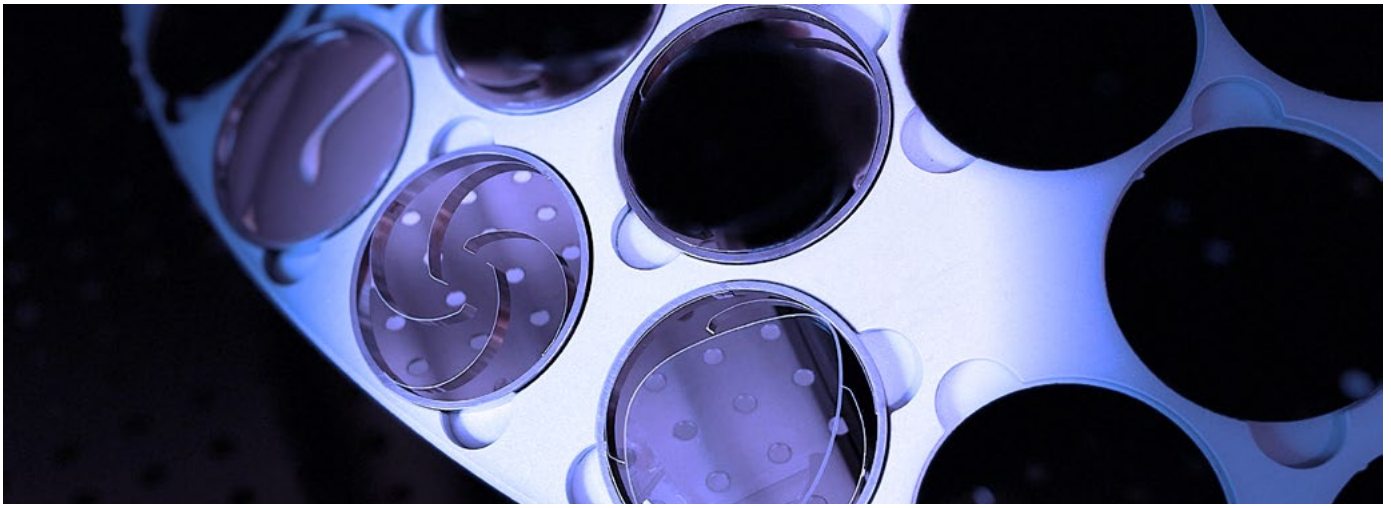
- Exceptional Capacity and Efficiency:**
 Capable of producing up to 209 lenses per batch with its ringless full dome, the 1200-TLX ensures the lowest cost per lens per hour, maximizing your productivity and minimizing operational costs.
- Enhanced Productivity:**
 Equipped with two high-speed, magnetically levitated turbo-molecular pumps, this machine achieves faster pumping and shorter process times, accelerating cycle turnover and boosting daily output.
- Advanced Dome Flexibility:**
 The revolutionary sector dome design accommodates both standard sectors with rings and ringless sectors with slim rings simultaneously. This unique configuration increases production capacity and offers the flexibility to handle varied job types in a single run.
- Reliable, Low-Maintenance Performance:**
 With two magnetically levitated turbo pumps, the 1200-TLX ensures clean, oil-free vacuum operation, essential for high-quality coatings. The contact-free design reduces wear, keeping maintenance low and production interruptions minimal.
- Streamlined Cleaning:**
 The portable degassing system simplifies chamber cleaning, enhancing operational convenience and saving valuable time between coating cycles.
- Intelligent Monitoring with MES-360 Lite:**
 Track machine utilization, production throughput, and error metrics with daily reports generated by the pre-installed MES-360 Lite. For more advanced tracking, the system can be upgraded to the full MES-360 package as your lab's needs evolve.

OPTIONS

- Tooling solutions
 - 6 sector dome (standard with rings, ringless with slim rings, ringless)
 - Batch with mixed sectors
 - Flip over
 - Gradient/Bi-gradient
 - Planetary holders
- Portable degassing system
- Movable distribution mask for ring-less full dome only
- Ultra-fast venting
- STEP Maintenance - ensures your Satisloh coater will perform at the highest quality level for years to come



Lab 4.0 ready



Revolutionary sector dome design can accommodate different sector types at once: sector and standard rings with slim rings

TECHNICAL SPECIFICATIONS

Capacity	For lens Ø70 mm up to 209 lenses (ringless full dome) For Lens Ø70 mm up to 192 lenses (6 ringless sector dome) For lens Ø70 mm up to 168 lenses (6 sector dome)
Materials	All organic lens materials: <ul style="list-style-type: none"> • Polycarbonate, Trivex, Acrylic, CR39 and High Index up to 1.74. • Mineral (all indexes) • Front side coated lenses => HC, HC + AR, Transitions, Polarized
Dimensions (wxdxh)	2285* x 2978** x 2689* mm / 90* x 117** x 106* inches
Weight	3637 kg / 8018 lb

*with positioning wheels; ** door closed

SATISLOH COATING PROCESSES FOR RX LENSES

- **Top coating** - Hydrophobic, Super Hydrophobic & Super Hydro/Oleophobic.
- **Antistatic Broadband AR** - Ultimate-2, Premium, Protect-Blue, Protect UV, Protect Complete.
- **Broadband AR** - Performance.
- **Dichroic mirror** - Spectraflex (white / silver, violet, blue, green, jade, gold, orange, red, infrared, others on request).
- **Metallic Mirror** - Silver, blue, gold, others upon request.

1200-TLX vacuum box coater, can be customized to meet your product, process and production requirements. Perfectly matched Satisloh ophthalmic lens coating processes, consumables, and box coaters guarantee best coating performance.

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

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