



Easy, compact, and  
fast lens production.

Digital Compact-Lab

**satisloh**<sup>®</sup>

# Compact-Lab OBM™

Use front side AR-coated, Nucleo pre-blocked blanks; blocking in the lab is eliminated

Total process time  
< 30 min. (CR39 <1.5)

Up to 20 lenses/h

Satisloh's Digital Compact-Labs are ideal starting points into backside progressive lens production. They are also perfectly suited as separate express line. From surfacing via hard and AR-coating to edging, every step is covered with high quality equipment. Eliminating process steps - especially with OBM - optimizes manufacturing with fast delivery times, a small footprint, and an economical investment.

**Economical Investment**  
Whether for conventional free-form lens production with alloy or for On-Block Manufacturing (OBM) using Nucleo Technology, the Satisloh Compact-Labs are an affordable investment for a complete digital lens production. The surfacing and coating machines are easily convertible for both types of lens production.

**Short Delivery Times**  
Only a few process steps and easy to use machines are needed while employing front side AR-coated blanks, provided by Satisloh qualified suppliers\*. That process optimization reduces delivery times for high quality backside progressive, ready coated and edged lenses to a minimum.

**Small Footprint**  
The complete lab requires very little space: 20-25 m<sup>2</sup> (215-270 ft<sup>2</sup>). It is an unmatched space saver.

\*Front side AR could also be produced in-house with box coaters or SP-200 prior to the surfacing steps (additional ultrasonic cleaning required).

# Compact-Lab Conventional

Use front side AR-coated blanks

Total process time  
< 1.5 hours (CR39 <2.5)

Up to 20 lenses/h

1a. Front side AR-coated, Nucleo pre-blocked blanks



1b. Layoutblocker-PRA/Blocker-2000: Prismatic alloy blocking; use front side AR-coated blanks



Conventional

2. VFT-compact-pro: Digital generating including mechanical engraving



3. Toro-FLEX: Soft tool polishing



4. Magna-Spin: High quality backside hard-coating with solvent based UV-lacquers



5. SP-200: High quality backside AR- and top-coating



Nucleo-Deblocker-M: Controlled lens deblocking by waterjet









6. 3B, 4Ti, Dimension, 7E: Finish blocking, high-wrap tracing, table top edging



Manual alloy deblocking



# Technical Information

Equipment	Throughput	Available options	Dimensions (w x d x h)	Weight	
	<b>Layoutblocker-PRA</b>	up to 100 lph	<ul style="list-style-type: none"> <li>• Video camera system</li> <li>• Various block rings</li> <li>• Cooling plate</li> </ul>	1050 x 950 x 1000 mm 27.5 x 31.5 x 39 inches	100 kg 221 lbs
	<b>Blocker-2000</b>	up to 100 lph	<ul style="list-style-type: none"> <li>• Consumables</li> </ul>	500 x 400 x 400 mm 20 x 16 x 16 inches	40 kg 88 lbs
	<b>VFT-compact-pro</b>	up to 40 lph (toric) up to 30 lph (free-form)	<ul style="list-style-type: none"> <li>• All-Format™ software</li> <li>• Remote STEP</li> <li>• Cooling and waste management systems</li> <li>• Tools and consumables</li> </ul>	1000 x 1070 x 1500 mm 40 x 42 x 60 inches	1500 kg 3311 lbs
	<b>Toro-FLEX</b>	up to 50 lph	<ul style="list-style-type: none"> <li>• Polishing cart</li> <li>• Tools and consumables</li> </ul>	695 x 1344 x 1843 mm 27 x 53 x 73 inches	300 kg 661 lbs
	<b>Magna-Spin</b>	up to 90 lph	<ul style="list-style-type: none"> <li>• Consumables</li> <li>• Third lacquer tank</li> <li>• Bar code reader</li> </ul>	956 x 1100 x 1800 mm 38 x 43 x 71 inches	400 kg 882 lbs
	<b>SP-200</b>	up to 20 lph	<ul style="list-style-type: none"> <li>• Hydrophobic wipe-on</li> <li>• Super hydrophobic wipe-on</li> <li>• Automatic reporting system</li> <li>• Data interface to Rx-server</li> <li>• Consumables</li> </ul>	1090 x 1078 x 1800 mm 43 x 42 x 71 inches	395 kg 871 lbs
	<b>Nucleo-Deblocker-M</b>	up to 100 lph	<ul style="list-style-type: none"> <li>• n/a</li> </ul>	724 x 707 x 713 mm 28.5 x 27.8 x 28 inches	110/90 kg 240/200 lbs (with/without water)

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 Subject to technical changes

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