



Choose the best way
to fully automate your
lens production

OBM™
On-Block Manufacturing

satisloh®



1. Nucleo™ package

- Nucleo-Blocker
- VFT-orbit
- Duo-FLEX
- Lens-Engraver-ALC
- Nucleo-Deblocker
- Optional: Nucleo-Deblocker-M

Nucleo™ package for any blank type

Automate your digital surfacing with alloy free Nucleo-blocking and de-blocking technology.

Nucleo-blocking/-deblocking benefits:

- higher quality and yield because of full lens support
- full automation lowers labor costs
- alloy-free
- front-curve measurement provides possible optimization of job calculation (spherical blanks)
- eliminates waiting time between blocking and generating



2. Nucleo-Magna-Spin package

- Nucleo-Blocker
- VFT-orbit
- Duo-FLEX
- Lens-Engraver-ALC
- Nucleo-Magna-Spin
- Nucleo-Deblocker

Nucleo-Magna-Spin package for front side hard coated blanks

Automate your backside spin-coating by Nucleo-Magna-Spin.

Nucleo-Magna-Spin benefits:

- fully automated hard coating including cleaning
- fully automated steam cleaning increases yields
- eliminates operator-induced errors such as scratched lenses
- highest quality solvent based hard coatings for CR39, polycarbonate and high index



3. COB package

- Nucleo-Blocker
- VFT-orbit
- Duo-FLEX
- Lens-Engraver-ALC
- COB
- Nucleo-Deblocker

COB package for front side AR coated blanks

Upgrade your lab to fully automated AR production with COB line.

COB-line benefits:

- fully automated high quality AR solution
- minimal labor costs
- no batching
- very fast production time
- fully scalable from 30-90 lenses/h and high redundancy due to modular setup
- also available in semi-automated or manual version with standalone hard coating, sputtering and topcoat modules



4. Complete OBM™ package

- Nucleo-Blocker
- VFT-orbit
- Duo-FLEX
- Lens-Engraver-ALC
- COB
- EOB
- Nucleo-Deblocker

Complete OBM™ package for front side AR coated blanks

Get the full benefits of On-Block Manufacturing by adding Edge-on-Block (EOB).

Full OBM™-line including EOB benefits:

- fully automated with drastically less manufacturing steps
- fast delivery times (full production time in-out < 2 h)
- compact (approx. 80 m² for full setup)
- higher yields esp. in finishing: no re-blocking and axe slippage
- lower cost/lens



Packages can be either mixed (e.g. 100% of lenses running on package Nr. 1 only 50% run on Nr. 4) with separation and /or customer can grow starting from Nr. 1

Process Improvement with OBM™ Compared to Conventional Manufacturing

	Equipment	Process Steps		Manual Handling Steps		Process Time		Productivity of OBM™
		conventional (incl. digital surfacing)	OBM™	conventional (incl. digital surfacing)	OBM™	conventional (incl. digital surfacing)	OBM™	
Single Steps	Blocking	4	1	6	0	45 min.	1 min.	100
	Deblocking	4	3	4	0	8 min.	0.5 min.	200
	Hard coating (dip)	6	3	10	0	150 min.	2 min.	100
	AR coating	2	2	10	0	80 min.	60 min.	30/60/90 (1/2/3 modules)
	Edging	6	1	5	0	6 min.	2 min.	40-60
Packages*	Nucleo™ package	10	6	10	0	60 min.	15 min.	70-75**
	Nucleo-Magna-Spin package	16	9	25	0	210 min.	20 min.	70-75**
	COB package	18	11	35	0	300 min.	80 min.	70-75**
	Complete OBM™ package	24	12	40	0	320 min.	85 min.	70-75**

Complete lens production time from order entry to shipment

Conventional: 2-3 days incl. batching and lens travelling, OBM™: <2 hrs. incl. lens travelling (no batching required)

* packages with one VFT-orbit and one Duo-FLEX
 ** depending on product mix, for polycarbonate second Duo-FLEX required

Contact

Satisloh AG
 Neuhofstrasse 12
 CH - 6340 Baar
 Switzerland
 Phone: +41 (0) 41766 16 16
 Fax: +41 (0) 41766 16 10
 Mail: info@satisloh.com

www.satisloh.com

North America

Sales
 Phone: +1 262 255 6001
 Email: info.usa@satisloh.com

Service
 Phone: +1 262 255 6001
 Email: service.usa@satisloh.com

Europe

Phone: +49 (0) 6441 912 0
 Email: info.de@satisloh.com

Phone: +49 (0) 6441 912 222
 Email: service.de@satisloh.com

Asia

Phone: +852 27 56 7711
 Email: info.asia@satisloh.com

Phone: +852 2756 7654
 Email: service.asia@satisloh.com

satisloh®

