

Optical Manufacturing
Solutions.

satisloh



Satisloh - the company

Combining two respected optical manufacturing companies – Satis Vacuum and LOH Optical Machinery – Satisloh provides you with over 120 years of invaluable optical experience. Satisloh supplies complete solutions for ophthalmic and precision optics manufacturing, equipment, consumables, tools, services and process knowledge from one source – for surfacing, coating and finishing.

The synergy from the merger brings both integrated process steps and localized service presence.

Focus on customer solutions

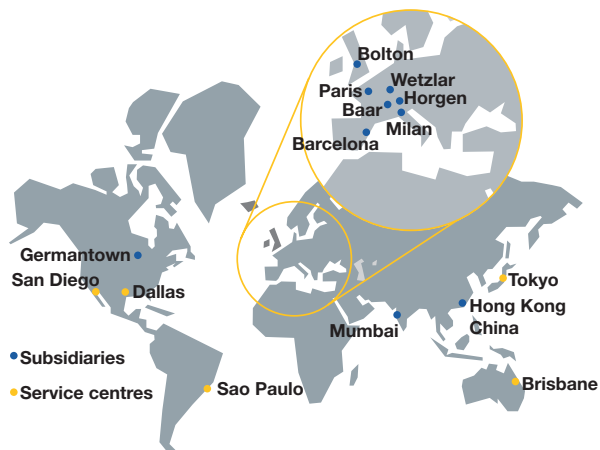
Making our costumers more succesful is our goal. We want to shape the future of optical manufacturing - together. We provide cutting edge technology solutions to all sizes of labs and customers.

«I enjoy working for Satisloh. Driving innovation with an experienced, dynamic team.»



Worldwide presence – local support

Surfacing and coating machines are valuable production equipment. Downtime in production costs jobs and money. With our service technicians at 14 service locations, Satisloh is always close to their customers. Customers can reach a Satisloh specialist on a 24/7 basis, by telephone or internet, supported by our logistic centers in Germantown (WI; USA), Wetzlar (Germany) and Hong Kong.



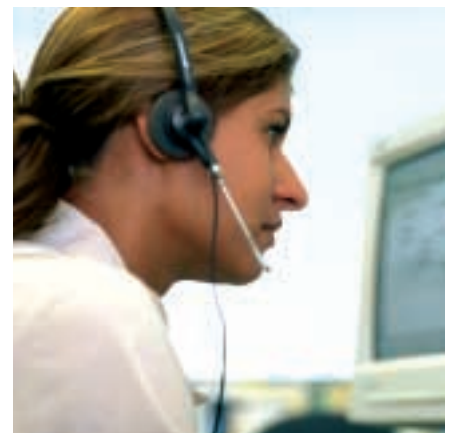
Innovation and integration

The driving force for our customers and Satisloh is innovation. No other company in the optical industry can offer their customers the same number and quality of innovations. Satisloh derives its R&D projects from market intelligence, dialogue with customers and valuable business partners.



Team spirit

Employees are our most important asset. Our quality standards are reflected in continuous training and development. The leadership style encourages team building, decision making and focuses on customers always.



«When customers need help, our teams provide the expertise necessary to benefit our customers.»



Experience in optics

With the large installed base of machines and employees in 50 countries, Satisloh is an integral cornerstone of the optical industry, offering solutions for ophthalmic labs and precision optics applications.

Surfacing and coating processes

Both in coating and surfacing, process knowledge is critical for success.

For several decades, Satisloh has focused on this. Satisloh is well-experienced in the full process chain and therefore offers a wide range of proven and easy to setup processes.

Innovative systems

Satisloh was the first coating company to successfully introduce sputtering technology to the ophthalmic market. Our AR box coaters have served the industry for years as workhorses. In the surfacing field, we were shaped how ophthalmic lenses manufactured for many decades. Today, again, Satisloh sets the pace with its innovative VFT generator series, employing breakthrough fast-tool technology. The future holds even more exciting technologies from Satisloh, changing the way ophthalmic lenses are produced – benefitting you, our customer.

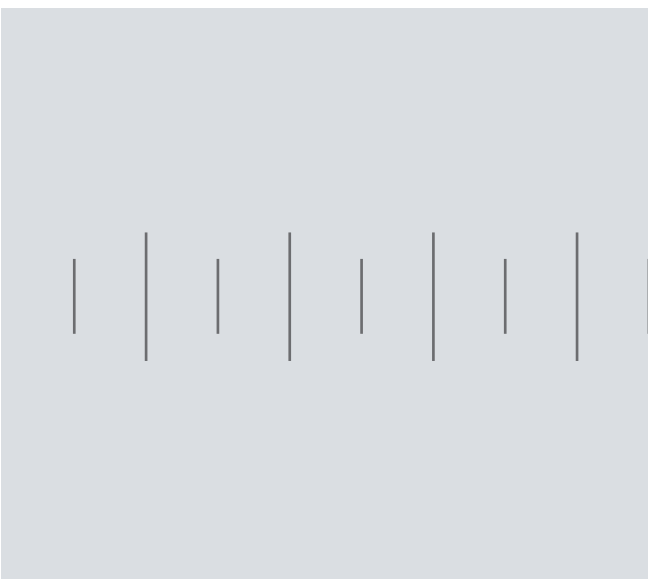




Complete solutions for ophthalmic laboratories

With our broad span of competencies in ophthalmic surfacing and coating applications, we cover virtually all production steps in ophthalmic lens production, starting from the lens blank, covering surfacing, coating and edging right up to the final lens product. Primarily, our “Compact Lab” product addresses small labs and 1-hour stores, where space use and equipment price are the predominant buying determinants. We offer complete manufacturing lines with various degrees of automation for mid-size labs and large labs, addressing the needs for sustainable high volume throughput under extreme production conditions. In addition, our equipment program is closely linked with our after-sales service, process support and consumables programs.

- [A] Prescription software
- [B] Blank selection
- [C] Protecting & Blocking
- [D] Surfacing
- [E] Polishing
- [F] Coating
- [G] Finishing
- [H] Mounted lens





Precision optics

Optical manufacturing requires optimally balanced processing components: machinery for grinding, polishing, centering, measuring and coating equipment. Experience in process engineering is a prerequisite to be able to specify appropriate tools, consumables, software and technical services.

High-quality optical coatings

Dependent on application, we offer multiple coating technologies, ensuring top notch results. The technology ranges from sputtering to electron beam evaporation with plasma or ion-assisted processes. Dedicated system solutions specifically address the requirements of coatings on delicate organic substrates.

Solutions for all process steps

Satisloh provides proven complete solutions for precision optics manufacturing, which perfectly fit together:

- Pre / fine grinding
- Corrective polishing
- Centering
- Coating

Innovative systems

Satisloh introduced the first flexible generating centre, the G-series that manufactures almost all optical surfaces like spheres, aspheres, prisms or cylinders, providing excellent repeatable accuracy and high dynamic axis movements. The system offers optional automatic double-sided processing and an automatic tool changer.



Satisloh Opticservice

For more than 25 years Satisloh has served the optical industry with a wide range of consumables for surfacing and coating processes. Together with our machinery, processes and services our consumables are an integral part of the complete solution we provide our customers. Both the products and the support from our highly experienced specialists guarantee reliable results in producing optics. Opticservice tests all consumables before release and ensures short delivery times.

«We spend a lot of hands-on time with our customers in their labs. This gives us first-hand knowledge of our customers needs.»





Satisloh GmbH, Wetzlar

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