**FEATURES + BENEFITS**

**Flexibility**
- Single-target (typically Si) and three gas inlet systems enable multiple coating applications: high and low index stacked layers as well as gradient index (SiOxNy) coatings
- Production of BBAR coatings on glass, crystals, semiconductors, and even polymers

**Efficiency**
- Short process time due to rapid pumping and high deposition rates
- Minimum production downtime ensured by easy-to-change target
- Fast substrate exchange via small-volume load-lock vacuum chamber

**Reliability**
- Software compensation of the target wear ensures high process stability
- Pulsed-DC reactive sputtering for consistent high quality as well as fast and uniform coating results
- Excellent layer thickness uniformity (± 0.25 %) on flat or mildly curved substrates is facilitated by a compact planetary system with secondary rotation

**Ease of use**
- Very compact machine design for convenient integration into your production line
- Easy adjustment of process parameters by gas system controller
- Vacuum gate valve and load-lock enable the sputter target to remain under high vacuum conditions during substrate change

**APPLICATIONS & PROCESSES**
- BBAR coatings for visible wavelength range (380-780 nm), such as
  - Scratch resistant sapphire substrate coatings (HV > 1200)
  - High performance BBAR coatings on endoscope optics (> 500 autoclave cycles)
- Filter coatings
- Applications in the 1200-7500 nm range (> layers) such as dielectric Bragg mirrors

**OPTIONS + ACCESSORIES**
- Sputtering gas Ar
- Reactive gases N2, O2
- Planetary substrate drive with 4 holders (max. Ø 102 mm)
- External chiller

**TECHNICAL INFORMATION**

**Dimensions (w x d x h)**
1090 x 1078 x 1800 (43 x 42 x 71 inches)

**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

<table>
<thead>
<tr>
<th>North America</th>
<th>Europe</th>
<th>Asia</th>
<th>Middle &amp; South America</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales Phone: +1 262 255 6001</td>
<td>+49 (0) 6441 912 88</td>
<td>+852 27 56 7654</td>
<td>+55 (24) 2233 8600</td>
</tr>
<tr>
<td>Email: <a href="mailto:precision@satislohusa.com">precision@satislohusa.com</a></td>
<td><a href="mailto:info.de@satisloh.com">info.de@satisloh.com</a></td>
<td><a href="mailto:info.asia@satisloh.com">info.asia@satisloh.com</a></td>
<td><a href="mailto:info.latam@satisloh.com">info.latam@satisloh.com</a></td>
</tr>
</tbody>
</table>

| Service Phone: +1 800 255 6640 | +49 (0) 6441 912 55 | +852 27 56 5058 | +55 (24) 2233 8686 |
| Email: precision@satislohusa.com | service.de@satisloh.com | service.asia@satisloh.com | servicio.latam@satisloh.com |