

Modulo Line

Laser marking

# CCL modulo X

Automated excimer laser marking, intelligently combined



Fascination for Innovation

## CCL modulo X

The powerful excimer laser, CCL Modulo X, has been designed for the fully automated production environment providing highest throughput and excellent marking quality.

Its three stations and fast automation support simultaneous loading, marking, and unloading, to reduce non-productive times to an absolute minimum.

Unlike other excimers, CCL Modulo X relies on a new ultra-fast full lens scanning concept that allows marks anywhere on the lens without time consuming lateral lens repositioning. The result is a significantly higher throughput compared to other excimers. The laser intensity can be easily adjusted according to the requirements.

Whether logos, symbols, additions or other markings, the powerful Argon Fluoride laser consistently produces high-quality markings on all organic and mineral materials. Ablating the material, heat affected zones are prevented that may cause problems such as color deviations and chromatic aberrations in the subsequent coating or tinting process.

The combination of high throughput, highest-quality results, low running costs, and low maintenance makes CCL Modulo X a sound investment for any larger lab.

technical data	
lens material	All organic and mineral glasses
marking field size	ø 100 mm
dot size	approx. 80 µm
accuracy	+/- 30 µm
clamping system	block ø 43 mm
power consumption	1 kVA avg.
air requirement	6 bar (87 psi)
laser safety	laser class I
weight machine	approx. 600 kg (1323 lb.)
dimensions without control panel (width x depth x height)	approx. 1275 x 1450 x 1800 mm (51 x 57 x 71 inches)

All data subject to change without notice. Please verify details with SCHNEIDER.

### Benefits

- Consistently high throughput of 300+ lenses/hour
- Excellent marking quality on any material
- Adjustable laser marking visibility
- Long-lasting laser
- Low maintenance
- Efficient energy monitoring
- High safety standards
- Supports the new cognitive Modulo machine philosophy

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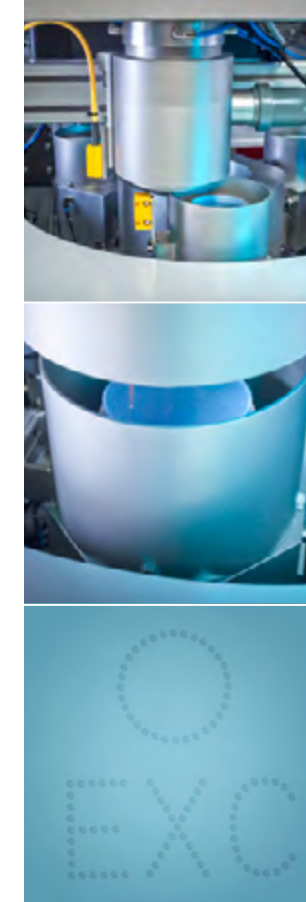
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**Fast automation**  
Maximum productivity is supported by simultaneous loading, marking and unloading, reducing non-productive times.

**New full lens scanning concept**  
CCL Modulo X marks anywhere on the lens without time consuming lateral lens repositioning.

**Excellent marking results**  
The excimer consistently produces high-quality markings. The intensity can be easily adjusted according to the requirements.



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