

# microMARK™ MCF

## PREMIUM EXCIMER LASER ENGRAVING SYSTEM

The microMARK™ MCF is a premium engraving system. Using an UV excimer laser results in a superior engraving quality considering all cosmetic aspects - without any heat affection and micro cracks. The system is suitable for marking of all kinds of materials and coatings including high-index, tinted, and coated lenses. The microMARK™ MCF is the right choice for concave or convex as well as for blocked and unblocked lenses. The industry-approved system guarantees maximum throughput and availability.

### HIGHLIGHTS

- Premium-quality excimer laser marking
- Technical engraving and branding on all kinds of lenses and coatings
- UDI marking of hard and soft contact lenses
- Maximum throughput by automatic handling
- Superior availability by second laser source





## microMARK™ MCF - SYSTEM CONFIGURATION

	microMARK™ MCF RX	microMARK™ MCF MP
Suitable for	<ul style="list-style-type: none"> <li>Blocked lenses</li> <li>Adapter for unblocked lenses and contact lenses</li> </ul>	<ul style="list-style-type: none"> <li>Blocked and/or unblocked lenses</li> <li>Contact lenses on request</li> </ul>
Productivity	Up to 180 blocked lenses per hour with automatic handling	Up to 200 blocked lenses or 120 unblocked lenses per hour with automatic handling
System accuracy	± 0.05 mm (on blocked lenses)	
Laser sources	<ul style="list-style-type: none"> <li>Excimer laser, 193 nm</li> <li>Optional excimer laser, 248 nm</li> </ul>	
Beam delivery unit	<ul style="list-style-type: none"> <li>Galvanometer scanner with F-Theta objective</li> <li>Marking field of Ø 80 mm</li> <li>Power measurement at the end of beam path</li> <li>Permanent nitrogen beam path purging</li> </ul>	
Software	<ul style="list-style-type: none"> <li>Control software microMMI (convergent to existing laser solutions)</li> <li>VCA/OMA interface prepared for the main surfacing line manufacturer</li> <li>Easy-to-use layout editor including vector, bitmap and logo import</li> <li>Remote connection client included</li> <li>Data backup on request</li> </ul>	
Options	<ul style="list-style-type: none"> <li>Integrated backup laser</li> <li>Automatic handling system</li> <li>High-speed pneumatic mask changing device</li> <li>Z-measurement (center point)</li> <li>Automatic gas exchange</li> </ul>	<ul style="list-style-type: none"> <li>Integrated second laser source or backup laser</li> <li>Automatic handling system</li> <li>High-speed or pneumatic mask changing device</li> <li>Image recognition system</li> <li>Z-measurement</li> <li>Automatic gas exchange</li> </ul>
Dimensions	800 x 2,100 x 1,850 mm <sup>3</sup> (W x H x D) - as stand alone system 1,300 x 2,100 x 2,200 mm <sup>3</sup> (W x H x D) - with automated handling	
Safety	Laser class 1	

Other configurations on request.