

microMARK™ RXe BLUE

PREMIUM-QUALITY DPSS LASER ENGRAVING SYSTEM

3D-Micromac's microMARK RXe BLUE is setting new standards in marking eyeglasses and contact lenses. The new laser engraving system utilizes an industry-proven UV solid-state laser source that does not need gas for operation.

The system can be utilized for visible, semi-visible, and technical engravings on all types of blocked plastic lenses, including CR39 - comparable to excimer laser markings with a significantly decreased cost of ownership.

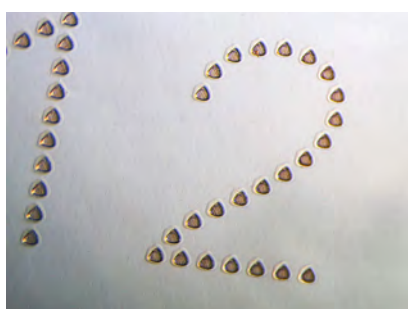
HIGHLIGHTS

- High-quality laser engravings for all types of blocked plastic lenses, including CR39
- Suitable for visible, semi-visible, and technical engravings
- Engraving results comparable to excimer laser markings
- Industry-proven DPSS UV laser source that guarantees a significantly higher number of emitted laser pulses
- No need of expensive gas for operation
- Customers benefit from low investment and operating costs





microMARK™ RXe BLUE - SYSTEM CONFIGURATION



Benefits:

- High-quality engraving with accurate contrast adjustment on a variety of spectacle lenses and coatings
- An optimized optical components setup for minimal thermal input into the lens material
- An industry-proven solid-state laser source guarantees a significantly higher number of emitted laser pulses compared with similar classes of laser sources
- No gas is required to operate the laser system

Suitable for	<ul style="list-style-type: none"> • Technical marking of spectacle lenses • Blocked lenses (plastic) with a maximum size of 80 mm x 30 mm (D x H above block reference) • Branding functionality for unblocked lenses on request
Productivity	<ul style="list-style-type: none"> • 150 blocked lenses per hour with automatic handling
System accuracy	<ul style="list-style-type: none"> • ± 0.1 mm
Laser source	<ul style="list-style-type: none"> • Industrial-proven long life solid state UV laser source
Beam delivery unit	<ul style="list-style-type: none"> • Galvanometer scanner with mirror deflecting system • Marking field of $\varnothing 80$ mm • Power management • Permanent filtered air beam path purging
Software	<ul style="list-style-type: none"> • Proven ULM software version 4.0.0.0 (or higher), • VCA/OMA interface prepared for the main surfacing line manufacturer • Remote connection to client included
Options	<ul style="list-style-type: none"> • Automatic handling system
Dimensions	<ul style="list-style-type: none"> • 960 x 600 x 1,200 mm³ (W x H x D) (manual and automated system)
Safety	<ul style="list-style-type: none"> • Laser class 1

Other configurations on request.