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LASER MARKING

LME–RM Series

Class 1 Standard and Custom Rack-Mount Workstations

- **Compact base, rack-mount design**
- **Robust systems for industry**
- **Flexible for custom solutions**

The LME-RM, Rofin's Class-1 laser marker workstation platform, provides an elegant solution for marking parts in a production environment. With a variety of standard and custom configurations, the LME-RM workstations can accommodate the most demanding applications.

The LME-RM modular workstations offer rugged construction for long-term use, ergonomically correct design for ease of use, and conformance to applicable CDRH Standards for operational safety during use.

The LME-RM is designed for integration with a variety of Rofin Laser Markers for non-contact, direct, permanent laser marking on parts of all shapes and sizes and of virtually any material.

- Can be integrated with Rofin's full range of Laser Marking Systems
- Compact base built for 19" rack-mounted components
- Laser controls front mounted for ease of operator interface
- Dual enclosures for power distribution and optional features

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LME-RM Laser Marking System Designs — Flexibility Built In

1. LME-RM integrated to customer-supplied conveyor system with pallet lift and locate, vision system
2. LME-RM with rotating galvo head, circumferential marker and custom tooling marks parts 1" to 30" in size. Sliding door to access work chamber with gas-assist lift
3. LME-RM System with oversized work envelope and 18"x18" X/Y Table.
4. LME-RM 36RT, four-position rotary table system with 36" dial plate door for insertion/removal of larger parts
5. LME-RM with tag handler and custom software for marking a variety of plastic or metal tags; includes load and unload, automatic color sensor, & bar code reader
6. LME-RM LT, compact Class 1 turnkey laser marking system

Standard Features for all LME-RM Systems:

- Can be integrated with Rofin's full range of laser marking systems
- LME–RM systems feature large work envelopes; and can accommodate up to 36" rotary tables, programmable indexers, and customer-specific tooling
- Conformance to applicable CDRH safety standards
- Large laser-safe window allows viewing of the laser process.
- Sliding door (LME-RM 36RT has hinged door on the side of the unit)
- Manual Z-axis for focusing laser head
- Work area lighting on all models
- Swing arm for monitor
- Ergonomic keyboard access
- Start/stop pushbutton controls

Options Available for LME–RM Systems (dependent on laser source):

- Mark field diameters from 3.5" to 14.9" (88.9mm—380mm)
- Circumferential marking module
- Digital readout, motorized or programmable upgrade of Z-Axis
- Refrigerated recirculating water chiller for all LME–RM versions (laser dependent)
- Fume extractor, available for all LME–RM versions
- Pneumatic door
- Custom paint
- Numerous peripheral input devices accommodated
- 300x300 mm and 500x500 mm X/Y tables in standard and tiling grades

MARKING

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Technical data is subject to change without prior notice.