The LME-RM Class-1 laser marker workstation platform provides an elegant and efficient 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.

All 19” components can be integrated into the support frame, and the laser controls are front-mounted for ease of operation. A laser-safe observation window allows monitoring of the marking progress, and for easy job setup, the large access door can be configured with an optional pneumatic AutoDoor (LME-RM LT and LME-RM 2).

The compact, modular LME-RM LT offers circumferential indexers for marking cylindrical work pieces, adaptability to a variety of conveyors, X/Y tables, open-frame configurations, and a wealth of other options to make your marking project easy and efficient.

The versatile LME-RM 2 and RT systems include such options as 36” multi-station rotary indexing table, and X/Y/Z control. Due to the positioning possibilities of the laser via the three program-controlled axes, even parts of complex geometry can be marked easily. A rotary axis, which is required for marking cylindrical parts, is available optionally. ROFIN can also provide custom engineered solutions as well as a portfolio of existing custom solutions—five-sided markers, automated loaders and/or unloaders, conveyor system integration with your existing production line, ultra-high-precision systems, automotive and medical production systems and tag markers—to name a few.

- Designed for integration with ROFIN’s full range of Laser Marking Systems
- Selectable based on your application
- Compact base, rack-mount design, and spacious working chamber with observation window
- Flexible for custom solutions
- Low operating costs with actively air-cooled and efficient lasers
**TECHNICAL DATA LME-RM LT**

### LME-RM LT

<table>
<thead>
<tr>
<th>Marking laser:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PowerLine F 20/20 Varia/30/50/100</td>
</tr>
<tr>
<td>PowerLine E 20/25/40</td>
</tr>
<tr>
<td>PowerLine E Air 10 THG</td>
</tr>
<tr>
<td>PowerLine Pico 10, SHG, and THG</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions (W x D x H, mm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>1024 x 1092 x 2036 (closed). Dimensions for systems with optional manual lift door, auto-door, or multiple light stacks will differ.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Machine weight:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depending on laser system, max. 450 kg.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Max. workpiece dimension (W x D x H, mm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>ca. 350 x 350 x 350 mm (height depends on optics).</td>
</tr>
<tr>
<td>Max 500 x 375 x 300.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Max workpiece weight including fixture:</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 kg.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Marking field size (mm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 x 120 (f=160, standard; other sizes available).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Z-axis travel (mm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. 300, depending on optics and laser system.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Door:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual side-swing door. Optional manual lift door or Auto Door.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lateral feeding of the workpiece:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customized solution.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power supply:</th>
</tr>
</thead>
<tbody>
<tr>
<td>220 VAC, ±5%, 60 Hz; 20A Current.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Max. power consumption (W):</th>
</tr>
</thead>
<tbody>
<tr>
<td>650 (depending on configuration).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compressed air (bar):</th>
</tr>
</thead>
<tbody>
<tr>
<td>6–10 optionally; compressor.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Color:</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL 7016, RAL 9016.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Options:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual lift door or Auto door option</td>
</tr>
</tbody>
</table>

Vision modules
Programmable Z-axis
250 x 250 mm XY stage
Circumferential indexer
Foot switch
Tooling plate
Compressor (if no pneumatic supply)
Fume extractor controlled by system interface
Bar code scanner w/carrier integrated in support frame
Additional voltages available upon request
## TECHNICAL DATA LME-RM SERIES

### LME-RM 2

**Marking laser:**
- PowerLine F 20/20 Varia/30/50/100
- PowerLine E Air 10/25
- PowerLine E 20/25/40
- PowerLine E 20/25 SHG
- PowerLine E Air 10 THG
- PowerLine E 20 THG
- PowerLine Pico 10, SHG, and THG

**Dimensions (W x D x H, mm):**
- 1204 x 1551 x 2319 w/closed door

**Machine weight:**
- Max. 450 kg

**Max. workpiece dimension:**
- 760 x 600 x 500 (W x D x H, mm)

**Max workpiece weight incl. fixture:**
- 100 kg

**Marking field size (mm):**
- 120 x 120 (f=160, standard; other sizes available)

**Z-axis travel (mm):**
- 300

**Rotary table diameter (mm):**
- N/A

**Rotation time of rotary table(s):**
- Manual standard; optional AutoDoor

**Door:**
- Standard

**Power supply:**
- 220 VAC, ±5%, 60 Hz; 20A Current

**Max. power consumption (kW):**
- Approx. 4 kW (at 60 Hz)

**Color:**
- RAL 7016, RAL 9016

**Options:**
- Vision modules
- Programmable Z-axis
- Circumferential indexer
- Interface-controlled fume extractor
- Foot switch
- Bar code scanner w/carrier
- Additional voltages available
- AutoDoor (90 psi compressed air)
- Compressor (if no pneumatic supply)

### LME-RM RT

**Marking laser:**
- PowerLine F 20/20 Varia/30/50/100
- PowerLine E Air 10/25
- PowerLine E 20/25/40
- PowerLine E 20/25 SHG
- PowerLine E Air 10 THG
- PowerLine E 20 THG
- PowerLine Pico 10, SHG, and THG

**Dimensions (W x D x H, mm):**
- 1204 x 1551 x 2319

**Machine weight:**
- Max 500 kg

**Max. workpiece dimension:**
- 400 x 300 x 295 (W x D x H, mm)

**Max workpiece weight incl. fixture:**
- 50 kg ea/side 2 pos/25 kg ea/side 4 pos
- 120 x 120 (f=160, standard; other sizes available)

**Z-axis travel (mm):**
- 300

**Rotary table diameter (mm):**
- 900

**Rotation time of rotary table(s):**
- 2 pos.=1.2 second; 4 pos.=1 second

**Door:**
- Standard

**Power supply:**
- 220 VAC, ±5%, 60 Hz; 20A Current

**Max. power consumption (kW):**
- Approx. 4 kW (at 60 Hz)

**Color:**
- RAL 7016, RAL 9016

**Options:**
- Vision modules
- Programmable Z-axis
- Circumferential indexer
- Interface-controlled fume extractor
- Foot switch
- Bar code scanner w/carrier
- Additional voltages available
- AutoDoor (90 psi compressed air)
- Compressor (if no pneumatic supply)
ROFIN offers, not only a complete line of standard laser marking systems, but semi-custom or fully-engineered laser marking solutions. Our custom systems group has designed and built application-specific laser marking systems for more than 35 years. Combining the key disciplines of laser technology, mechanical engineering, software and process development in a unique solution ensures quality, functionality and profitability of the production. If the laser forms a significant part of the total solution, you will find ROFIN – one of the world’s largest manufacturers – has the skill, experience, and laser products needed to design and build your complete laser marking system.