mp\textcopyright LM 1 Laser labelling system

Customised and abrasion-proof laser labelling
Murrplastik introduces the **mp-LM 1**, a system that allows you to realise abrasion-proof quality labelling on a wide variety of base materials. The **mp-LM 1** can be controlled and operated precisely via USB port or Ethernet and a PC by utilising the tried and proven ACS software.

In the case of the **mp-LM 1** laser labelling system, the optical density of the labelling can be adapted to the requirements with speed settings and the number of repetitions.

With its low initial cost, plus minimal operating and lifecycle costs, the **mp-LM 1** is the perfect labelling system for companies with a medium to high volume of labelling work and high standards regarding the quality of labelling produced. The **mp-LM 1** is able to automatically label ID plates for leads, lines, terminals, control panels and signalling equipment, switchgear, media devices and much more.

The flexible, automated processes of the **mp-LM 1**, suitable for the various Murrplastik materials, are the highlight of this inexpensive laser labelling system. The PC / PP materials are stacked directly into the input shaft. Aluminium, stainless steel and laser foil materials are fed into the magazine via a special carrier plate. Should there be more than one label type required for a print job, the correct number will be ensured with dividing plates at the type change. The output of the completed labelled material will be in loose stacks into removable receiving containers, which can also be replaced by company-specific storage system boxes.

Learn more on [www.mp4laser.com](http://www.mp4laser.com)
CUSTOMISED AND ABRASION-PROOF LASER LABELS

BENEFITS

- Labelling stability
- PC/PP - Material usable without GP
- Aluminium and stainless steel materials on a carrier plate, can be stored in magazines
- Automated processing of most of the laser capable MPS label types and materials
- Insert different label types simultaneously
- High quality
- Low purchase and operating costs
- No consumable supplies necessary
- Easy to use
- Non-contact marking
- Modular design

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Laser source</th>
<th>1.5 watt solid state laser Nd:YAG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>1064 nm</td>
</tr>
<tr>
<td>Cooling</td>
<td>Air</td>
</tr>
<tr>
<td>Printable area</td>
<td>120 x 120 mm²</td>
</tr>
<tr>
<td>Safety</td>
<td>Laser class 1</td>
</tr>
<tr>
<td>Input voltage</td>
<td>100 – 240V AC</td>
</tr>
<tr>
<td>Power consumption</td>
<td>max. 200 W</td>
</tr>
<tr>
<td>Dimensions</td>
<td>475 x 795 x 300 mm (H x W x D)</td>
</tr>
<tr>
<td>Weight</td>
<td>17.5 kg</td>
</tr>
<tr>
<td>Ports</td>
<td>USB, Ethernet</td>
</tr>
</tbody>
</table>

Label plates on a variety of materials: polycarbonate, polypropylene, anodised aluminium, stainless steel
Macro shot carbonisation

The high quality of the laser inscription with the mp-LM 1 is the result of a chemical reaction in the labelling material.

LABELLING ON A VARIETY OF MATERIALS IS POSSIBLE
- Polycarbonate labels
- Polypropylene labels
- Anodised aluminium
- Stainless Steel
- Laser foils (external suction / filtering needed)

HIGH LEVEL OF DURABILITY
Lasting labelling because of carbonisation or engraving results in high durability when exposed to:
- UV
- Acid
- Oil
- Mechanical stress
- Extreme environmental influences

HIGH QUALITY
Clear and defined marking, even with the smallest of fonts and graphics.

MINIMAL OPERATING COSTS
- No consumable supplies needed – enormous cost savings
- Nearly service free
- Low maintenance
- Low set-up times
- High degree of dependability

INCLUDED ACCESSORIES
- Manual
- Power connection
- USB data cable
- Catch tanks
- Three dividing plates for mixed population
- Exhaust hose

OPTIONAL ACCESSORIES
- Drainage / filter unit (external)
- Dividing plates

SAFETY
Laser class 1
THE NEW LASER LABELLING SYSTEM
BY MURRPLASTIK

Magazining and inscriptions of labels

Learn more on www.mp4laser.com