

# **mp LM 1 Laser labelling system**

**Customised and abrasion-proof laser labelling**

# mp LM 1

Laser Marking



Thermal  
transfer  
Marking



Inkjet  
Marking



Laser  
Marking



Plotter  
Marking



Engraving  
Marking



## INDIVIDUAL, ABRASION-PROOF LASER LABELLING FOR METAL AND PLASTIC LABEL PLATES, WITH THE NEW LASER LABELLING SYSTEM mp-LM 1 FROM MURRPLASTIK.

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.

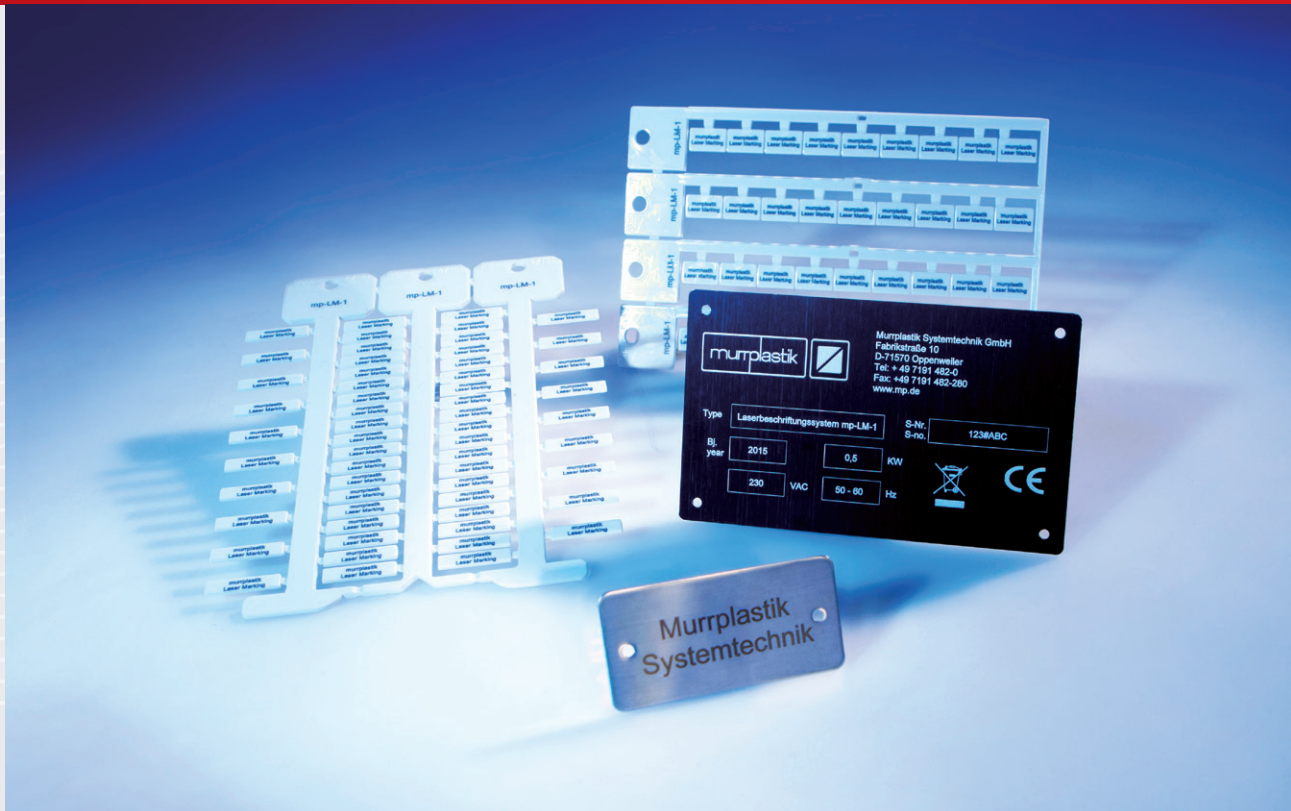
In the case of the **mp-LM 1** laser labelling system, the optical density of the labelling can be adapted to the requirements with speed settings and the number of repetitions.

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.

# CUSTOMISED AND ABRASION-PROOF LASER LABELS



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

## 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

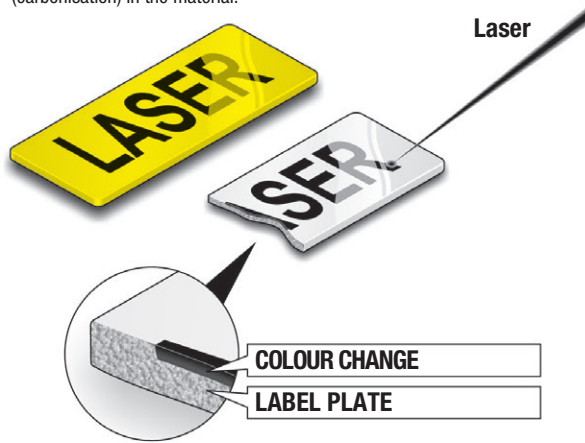
## TECHNICAL DATA

Laser source	1.5 watt solid state laser Nd:YAG
Wavelength	1064 nm
Cooling	Air
Printable area	120 x 120 mm <sup>2</sup>
Safety	Laser class 1
Input voltage	100 – 240V AC
Power consumption	max. 200 W
Dimensions	475 x 795 x 300 mm (H x W x D)
Weight	17.5 kg
Ports	USB, Ethernet

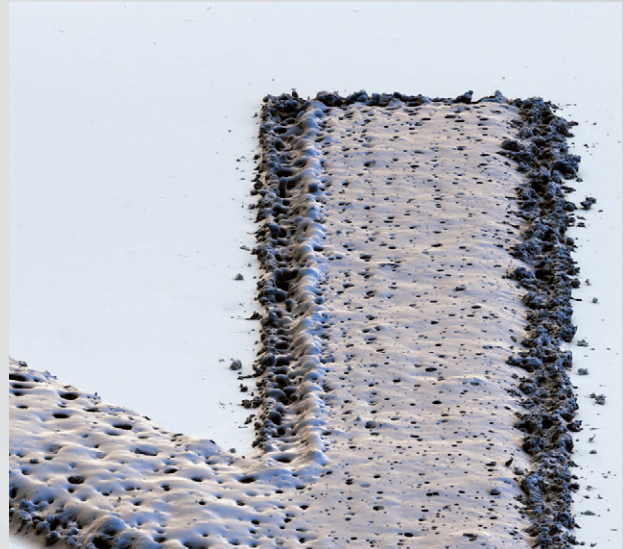


## Principle

Laser inscription using colour changes (carbonisation) in the material.



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



Macro shot carbonisation

## 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

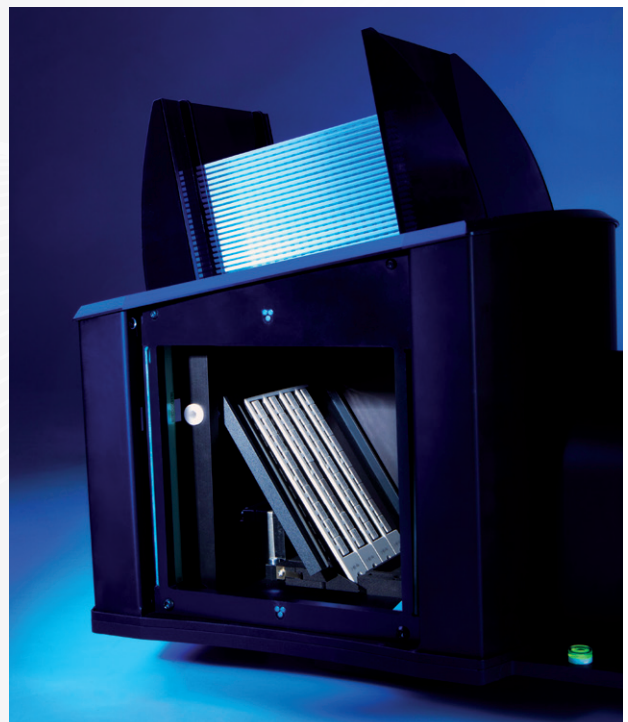
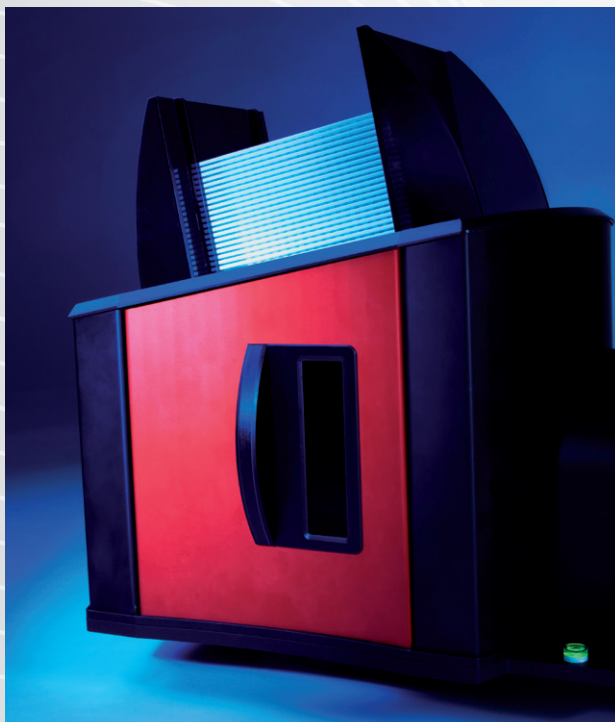
## OPTIONAL ACCESSORIES

- Drainage / filter unit (external)
- Dividing plates

## SAFETY

Laser class 1

# THE NEW LASER LABELLING SYSTEM BY MURRPLASTIK



*Magazing and inscriptions of labels*

Learn more on [www.mp4laser.com](http://www.mp4laser.com)

**www.mp4laser.com**

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