



Laser Marking Systems  
**Laser Typeplate Marker**

Edition 1

# Laser Marking Systems

## Laser Typeplate Marker



The cab laser typeplate marker transports and marks flat and inflexible workpieces with a thickness of up to 3 mm. Maximum size of the type plate is limited to 100 x 50 mm. The laser marker is most suitable for marking materials like aluminum, steel, copper, glass or plastics. The workpieces are conveyed in a fully automatic manner from the input magazine to the marking area and from there to an output magazine. If different sizes of workpieces are marked the magazines and slide-in unit must be interchanged. The logical order of the typeplates is kept during transport. Individual orders may be worked off and ejected in a separate output device. The handling system is controlled by an integrated Siemens S7 PLC. All transport and marking functions are controlled from the PLC operator control panel with integral digital display. The system requires a 5 bar compressed air supply.

The laser's operational status is indicated by an indicator light. A separate machine table may be supplied, if required. cab recommends the use of a fume extractor during laser marking of materials that emit particles and contaminants.

### Technical Features

Laser safety housing meets to laser protection class 1 specification Laser Source: DPLMagic Marker Nd:YAG L1-163-P (resolution 725 dpi/markung area 110x110 mm)
Maximum size of type plate Width x Length: 100 x 50 mm
Minimum thickness of typeplate: 0.5 mm
Maximum thickness of typeplate: 3 mm
For inflexible materials, like for example aluminum, steel, glass, plastics, and so on.
Cycle time for transport of workpiece: 4 sec.
Output device to eject workpieces for individual orders
Transport speed : 100 mm/sec
FIFO (first in first out) transport
Integrated Siemens S7 PLC controls typeplate transport
Operator control panel with clear text display
Integrated piping D=30 mm with conical flange for connection to an external fume extractor
Indicator light to show laser operational status
Safety controlled set-up door
Round 40 mm laser safety inspection window eliminates Nd:YAG 1064 nm laser reflections
Compressed air supply requires 5 bar pressure supplied to an industry a standard connector
Compressed air supply is monitored
Main switch for laser and laser safety housing on rear panel
Integrated switched socket to connect external accessories
Wide range power supply input to connect the system to different voltage supplies

### Dimensions in mm

without laser L x W x H	680 x 430 x 690
with laser L x W x H	680 x 440 x 690

### Weight

without laser	36 kg
with laser	56 kg
Tare weight	41 kg

### Operation

Operating voltage	85-240 Volt 50/60 Hz
Power consumption	max. 400 Watt

### Options

	External fume extractor with activated-carbon filter and variable suction control
	Accessories to control air flow (f.e. injectors, hose, a.s.o.)
	Machine table out of aluminum profiles
	Power cable with plug USA / U.K.
	Colour coordinated to customer's requirement



### Part No. Description

<b>5523500</b>	Laser Typeplate Marker
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**Contents of delivery:** Typeplate marker, indicator light, set of cables, documentation

All specifications about delivery, design and technical data are given to the best of our current knowledge and are subject to change without prior notice.

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