

## FEATURES

### STANDARD



### USED BY:

- MANUFACTURERS OF:
  - APPLIANCES
  - MOTORS
  - AUTOMOTIVE COMPONENTS
  - PUMPS
  - ELEVATORS
  - CRANES
  - FIRE DOORS

### IDEAL FOR:

- CABLE TAGS
- INVENTORY TAGS
- ASSET CONTROL TAGS
- WORK IN PROGRESS TAGS
- SERIAL NUMBER TAGS

### AVAILABLE IN TWO VERSIONS:

- 6 Watt
- 20 Watt

### SOFTWARE:



### SERVICE PROGRAM:

## EASE OF CARE

Provide life-cycle support to ensure that the laser station is always operating at high performance



# METAL LASER SERIES ML2000



## ML2000 AUTOMATIC LASER MARKING ON METAL TAGS A HIGH DEFINITION, CRISP MARK WITH EXCELLENT CONTRAST

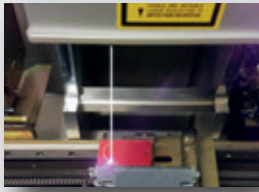
Laser marking systems are commonly used for **PART IDENTIFICATION AND PRODUCT TRACEABILITY INFORMATION** such as serial numbers, data codes, 2D data matrix barcodes, QR codes, 1D barcodes, manufacturing codes, material flow, graphics and logos.

The **ML2000** is designed for efficient marking on steel tags, aluminum tags, anodized aluminum tags and more. The fiber based optical design and rugged mechanical design allows the **ML2000** to operate in harsh industrial environments with maximum uptime. The compact footprint of the **ML2000** makes it easy to integrate into a variety of industrial applications. The energy efficient integrated air-cooling and proven laser design insures low maintenance and ongoing service costs.

The **ML2000** is a fully **AUTOMATIC** system and is equipped with an adjustable tag input hopper which holds up to **250 BLANK TAGS**. The blank tags are automatically moved from the hopper area to the laser marking module. Once laser marking is completed, the tags are placed in an internal FIFO stacker.

**The ML2000** is available in two version 6 W and 20 W. The new 20 W laser station is able to **modulate the power** in the engraving phase in order to **obtain different shades of gray**.

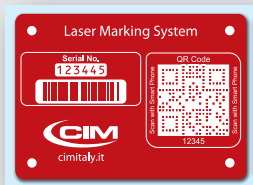




Laser marking



Input Hopper



## ML2000 metal laser



Laser fumes unit for 20W version



# FEATURES AND SPECIFICATIONS

## PLATE AND FEEDER

### dimensions

width: min. 30 mm / 1.18 in - max. 115 mm / 4.53 in  
high: min. 21 mm / 0.83 in – max. 90 mm / 3.54 in

### thickness

min. 0,4 mm / 0.0157 in – max. 0,9 mm / 0.0354 in

### materials

stainless steel, aluminum, copper and brass

### load capacity

up to 250 plates (0,4 mm / 0.0157 in)

### discharge capacity

up to 250 plates capacity (0,4 mm / 0.0157 in)

### performance

it depends on material type and marking area

## SOFTWARE

### software

PC application software Laser Tag One compatible with Windows / Vista / 7 / 8 / 10

## HARDWARE

### power supply

100 - 117 - 220 - 230 or 240 Volts - 50 or 60 Hz

### power consumption

100 Watt

### operating environment

5° C / 41 F to 40° C / 104 F

relative humidity: 30% - 90 % non condensing

### dimensions (WxDxH)

630 x 740 x 575 mm / 24.8 x 29.13 x 22.64 in

### weight

73 kg / 160.94 lbs

## HARDWARE LASER UNIT

	6 Watt Version	20 Watt Version
Nominal power	6 W ± 5% (@ 50kHz)	>20W
Wavelength	1064 nm / 41.890 in	1060-1080 nm / 41.732 – 42.519 in
Laser source	Q - switched DPSS	pulsed fiber laser
Repetition rate range	15 - 200 kHz	2 - 100 KHz
Pulse width (typ)	20 - 25 ns@20kHz	100 ns
Interface	USB	embedded PC
Temperature range	15° C / 59 F to 35° C / 95 F storing -5/ 23 F to +55 C / 131 F	5° C / 41 F to 40° C / 104 F
Cooling system	air cooled	air cooled
Power supply	24VDC/13A	100/240 VAC - 50/60 Hz 400W (Max)
Laser power consumption	typical 200W – maximum 300W	maximum 400W

## VARIOUS

### laser fumes

laser fumes extraction/filter unit (optional) - recommended for 20W version

### other

machine status indicator lights

## WARRANTY

12 months



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