



## Our technology ■ ■ ■

The compact, modular scribing CO<sub>2</sub> laser delivers permanent, high quality product coding (text, variable data, logos and 2D barcodes). This 10 Watt version is the ideal solution for 2-line applications with logo or barcode.

This vector technology is well suited for applications requiring an excellent print quality such as food or personal care industries.

## Your benefits ■ ■ ■

**Performance** – Advanced galvohead technology allowing excellent print quality and output rates up to 200 products/min.

**Uptime** – Modular concept for optimal laser performance, increased laser source reliability and reduced operating costs.

**Modularity** – Innovative modular design consisting of 3 separate components: controller, cable and laser head. Most compact, robust laser head with 0° and 90° laser beam orientation and ultra flexible interconnecting cable (6 or 9 meters).

**Simplicity** – Large WYSIWYG color touch screen display with intuitive icons and shortcuts for user-friendly operations. Easy access to safety features like emergency stop button and USB port for easy message loading and Ethernet connectivity.



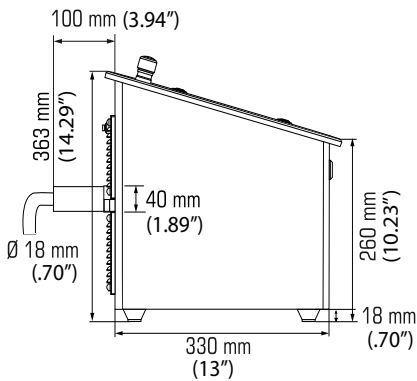
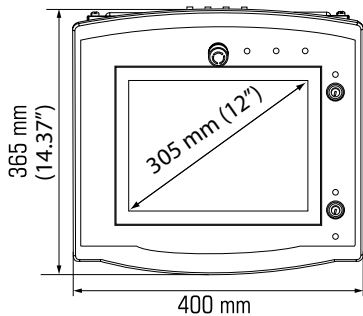
markem·imaje

the team to trust ■ ■ ■

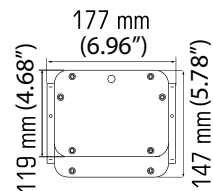
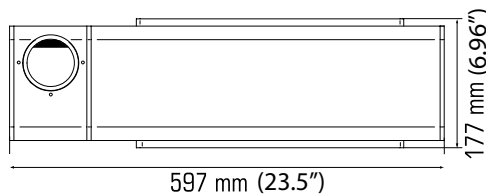
## Print features ■ ■ ■

- Production line speed (max.): 150 m/min\*
- Marking speed (max): 950 characters/s
- Coding on stationary or moving products
- Number of text lines: No limit
- Character height: 1 to 100 mm
- Logos, graphics, one- and two-dimensional barcodes (Datamatrix)
- Set of vectorized fonts, TrueType compatible, extended characters
- Specific fonts for thin material
- Coding area and focal distance (mm, standard): lens 70 x 70 / fd 100

### 7011 controller



### 7011 laser head



## Operations ■ ■ ■

- 12" WYSIWYG color touch screen
- QWERTY or AZERTY virtual keyboard
- Navigation via icons including on-line help file
- Message storage capacity of 256 MB
- Upload and download of messages via USB Flash Drive
- Software update via Compact Flash card
- Quick connect/disconnect of laser head and accessories (photocell, encoder, alarm)
- RS-232/422 connectivity, Ethernet interface, 26 configurable operator I/O (10 inputs / 16 outputs)

## Accessories ■ ■ ■

- Dust and gas extractor
- Laser head stand
- Lens pressurization kit
- Guarding tunnel
- Photocell
- Encoder
- Alarm beacon (24 V)

## Other characteristics ■ ■ ■

- Head weight: 12 kg
- Controller weight: 20 kg
- Interconnecting cable length: 6 m
- Controller: Stainless steel
- Head: aluminum and FDA coating
- Dust/humidity protection: Controller: IP54
- No plant air required for cooling
- Operating temperature range: 5° C to 40° C\*\*
- Humidity: 10 to 90% non-condensing
- Electrical power supply: 85-265 V with automatic switching; frequency 47/63 Hz
- Power consumption: 3 A; 330 VA

## Options ■ ■ ■

- Coding area and focal distance (mm):
  - Lens 70 x 70 / fd 100
  - Lens 105 x 105 / fd 150
  - Lens 120 x 120 / fd 175
  - Lens 140 x 140 / fd 200
  - Lens 155 x 155 / fd 225
- 0° beam output for the laser head
- 9-meter interconnecting cable length
- 6-meter cULus listed interconnecting cable

\*Depends on the size and complexity of the message as well as nature of the surface marked

\*\*Depends on laser head option

To learn more, visit [www.markem-imaje.com](http://www.markem-imaje.com)



We reserve the right to amend the design and/or specifications of our products without notice.

9, rue Gaspard Monge  
B.P. 110  
26501 Bourg-lès-Valence Cedex - France  
Tel.: +33 (0) 4 75 75 55 00  
Fax: +33 (0) 4 75 82 98 10

150 Congress Street  
Keene, NH 03431  
United States of America  
Tel.: +1 800-258-5356  
Fax: +1 603-357-1835



markem·imaje

A Company