



# PRODUCT CARD INDEX

## i63s





## PRINCIPLE

Using scribing technology, the i63s marking system performs permanent markings on various industrial parts.

The marking of a text or a logo is done directly on the material, even on hardened steel, by a carbide or diamond stylus that penetrates and indents the surface. These scribes produce deep grooves to form continuous lines thanks to the pressure of the compressed air.

The i63s is a compact yet robust design engineered for integration into industrial workstations on production lines, particularly where reduced noise levels are essential. The marking quality is excellent (perfect continuous line) and very fast for materials of all kind, from plastic to hardened steel (up to 62 HRC).

Scribing technology also allows permanent marking of flat parts. Moreover, marking on circular parts are also possible (with the use of a D Axis).

Meets standards: CE (including RoHS) / CSA

## DESCRIPTION

The machine comes with 3 elements: a marking head, a e10 or e10R controller, and the e10V6 software.

### **1- Marking Head**

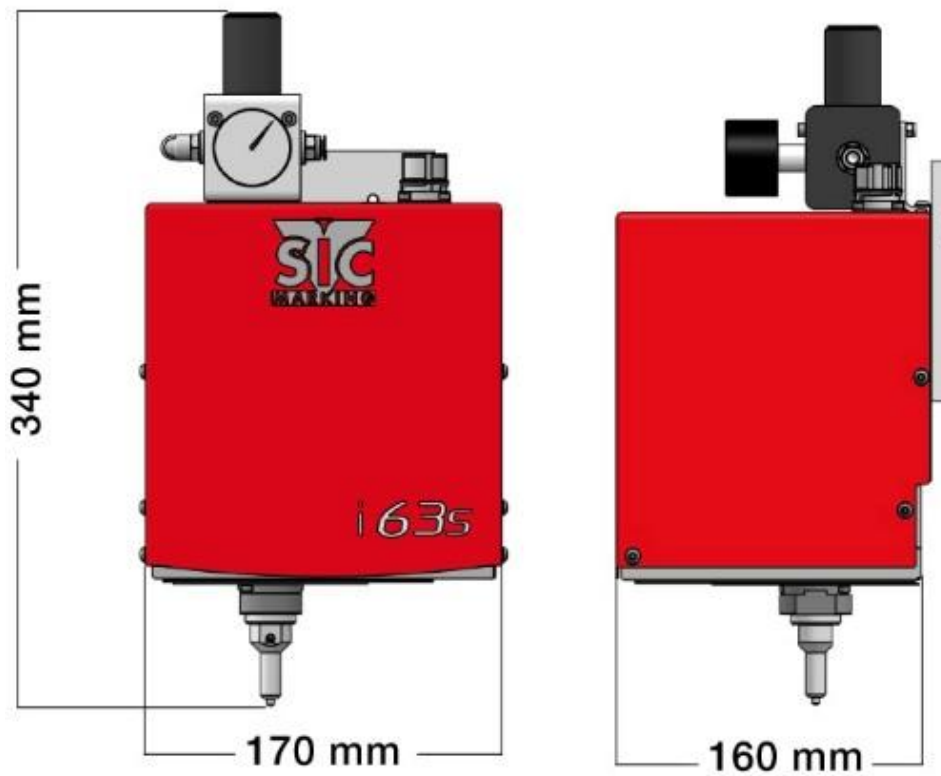
It is delivered with a cover for the protection of all mechanical elements.

- Movement transmission with **ball screws** and **guiding rails**
- Steel casing
- Movements made with a step motor
- Tungsten carbide or diamond stylus on a  $\varnothing$  20 mm piston
- Stainless steel protective cap
- Adjustable air pressure from 1 to 3 bars

**Characteristics:**

- Marking window: 60 x 30 mm / 2.36 x 1.18 in
- Marking head / controller connecting cable, robotic type – 5m length (10m optional)
- Weight: 7.8 kg / 17.19 Lbs
- Air supply: 6 bars

**Dimensions:**



## 2- e10 / e10R controller

The i63s marking machine can be used with both e10 or e10R controller.

### ELECTRONIC TECHNICAL FEATURES

	<b>e10</b>	<b>e10 R</b>
Dimensions (d x l x h)	322 x 380 x 112 mm (12.7 x 15 x 4.4 inches)	112 x 380 x 222 mm (4.4 x 15 x 8.7 inches)
Dimensions with Rail DIN Fixation Kit (d x l x h)		140 x 380 x 222 mm (5.5 x 15 x 8.7 inches)
LCD Display	95 x 54 mm ( 3.74 x 2.23 inches)	
Weight	5 kg (11 lbs)	
Keyboard	Qwerty integrated, membrane overlay	
Power	300 Watt	
Power supply	Single phase, 85 to 260 VAC, 50 to 60 Hz	
Number of Controlled Axes	2 (3 <sup>rd</sup> an 4 <sup>th</sup> axis optional)	
Operating temperature	From 5 à 40°C / 40 to 105°F	

### SOFTWARE

Memory	7110 Ko
Alphanumeric Characters	Serial number, date coding
Logos	Download from PC or USB Memory Stick
Data Matrix	Up to 348 characters, 48 x 48 dots
Fonts	Arial, Courier, OCR, OCRA
Style	Angular, radial, inverse, mirror
Speed	Up to 5 charcaters/sec
Character Size	From 0.1 mm / 0.004 inches to 99 mm / 4 inches (restricted by marking window size)
Impact Force	9 adjustable levels
Depth	Up to 0.5 mm / 0.02 inches (depending on material marked)
Resolution Between Dots	0.05 mm / 0.002 inches
Work Shift Management	10 shifts
Password Protection	3 security levels
Historical Function	Available by password
Maintenance Assistance	Auto diagnostic component
Software	17 languages

### COMMUNICATION

Ports	RS232, RS422, USB (RS485, Profinet, Profibus, Ethernet TCP, Ethernet IP, optional)
Inputs/Outputs	8/8
External Keyboard Input	USB port
External Output	5V - 0,5A and 48V - 3A
File Backup on PC	Transfert software or USB Memory Stick



**e10**



**e10 R**

## Options

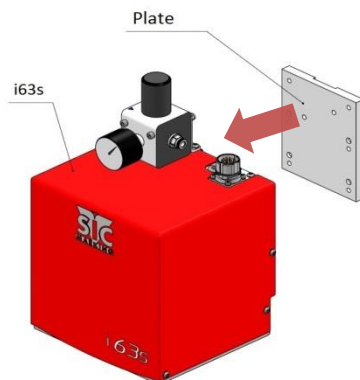
- **Adjustable Column**, that allows a use of the machine as a workstation



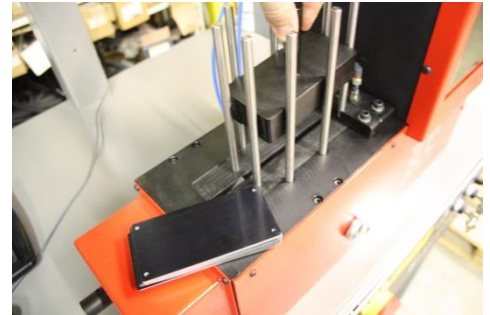
- **D Axis** to mark on circular parts



- **Ajustement plate** (mechanical compatibility with i61s machine)



- **Automatic plate loader**



- **Maintenance Kit**



- **Wireless barcode scanner**





- **Rail DIN clamping Kit** (for the e10R controller)



- **Communication cards**

Standard: connection with RS232, RS422, and USB (memory stick, keyboard).

Optional : RS485, Profibus®, Profinet® and EtherNet/IP™ and Ethernet TCP.

