

MACHINE



Magnetic Clamp



Battery Cart



Column/Plate Holder



Hook and Balancing System



Maintenance Kit



Data Matrix Reader



Rotary Axis

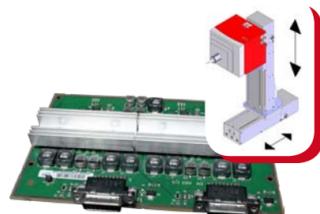


Wireless barcode reader

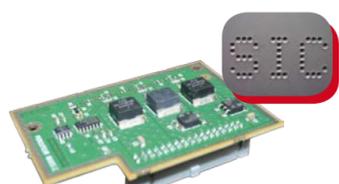
CONTROLLER



Ethernet Card



Card for Controlling 3rd and 4th Axes



Booster Card for Deep Marking

APPLICATIONS



Custom Front Plate P123



Magnetic Front Plate

Mark today
Identify tomorrow

SIC MARKING, INNOVATING MARKING SOLUTIONS

SIC Marking is an international company dedicated to the development of permanent marking solutions and automated identification for the complete traceability of industrial components.

SIC Marking has engineered a full range of exclusive marking machines: dot-peen, scribing, and laser technologies.

SIC MARKING, A WORLDWIDE NETWORK
40 DISTRIBUTORS AND 5 SUBSIDIARIES

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SIC Marking® ACTIVITIES

PERMANENT MARKING	CONVENTIONAL MARKING	DOT PEEN
	SCRIBING	LASER
INDUSTRIAL VISION	INDUSTRIAL VISION	
TURNKEY SOLUTIONS	TURNKEY SOLUTIONS	



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PORTABLE SYSTEMS
Stand-Alone Handheld Units



e10 RANGE

e10-p63
e10-p123



www.sic-marking.com



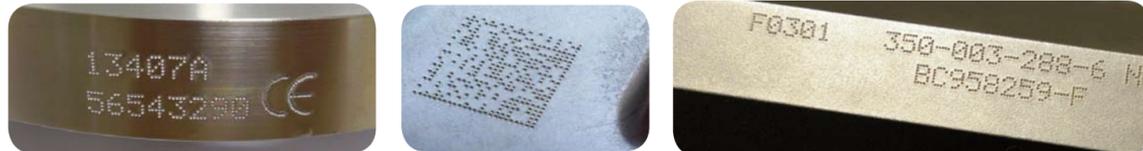


DOT PEEN TECHNOLOGY: FAST, ACCURATE MARKING ON ANY MATERIAL!

Dot peen marking works by electromechanically striking a carbide or diamond stylus assembly against the surface of a part to be marked.

The result is a succession of dots to create digits, text, logos, and 2D data matrix codes. Each such dot is the result of a pulsed current that runs through a solenoid, punches a magnet toward the surface, and subsequently returns the stylus to its starting position, awaiting the next pulse. Because each pulse occurs in only a fraction of a second, an entire 2D data matrix code, for example, can be completed in seconds (depending on the size). Frequency can be adjusted by controlling the speed of the X and Y axes movements.

What makes SIC Marking's dot peen technology unique? Aside from its stellar durability, the flawless precision of the X and Y axes enables high quality data matrix marking that is unmatched. SIC's dot peen technology also measures the electrical current between each pulse, allowing the impact consistency to be controlled.



PORTABLE SYSTEMS

SIC Marking's portable dot peen markers have been engineered for ease of use in industrial environments, where speed and accuracy are a must. Lightweight, durable, and highly mobile, they are ideal for marking heavy and difficult-to-access parts. These portable machines can be used for fast and powerful marking on all types of materials ranging from plastics to hardened steel (up to 62 HRC), all while ensuring constant precision and reliability.

Operational cost of these machines is very low; no consumables are required.

HIGHLIGHTS

Ruggedly Reliable

- Designed for intensive industrial use
- Aluminum cast base

Simple and User-Friendly

- Lightweight
- Mobile, ergonomic, and versatile
- User-friendly programming

Wide Range of Options

- Electromagnetic clamping
- Deep marking

Superior Performance Standards

- 100% electromagnetic technology (no air supply required)
- Constant precision and quality
- High speed
- Powerful stroke
- Marking on any material type (including steel up to 62 HRC)

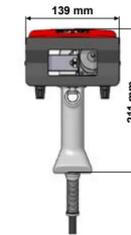
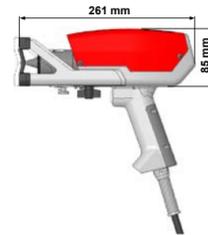
Low Cost of Ownership

- No consumables
- Reduced maintenance

COMPLIES WITH QUALITY STANDARDS

- DT05-89
- XP Pr EN9132
- AQG SPEC 2000
- ISO/IEC 16022
- UID
- DATAMATRIX ECC 200
- ...

p63

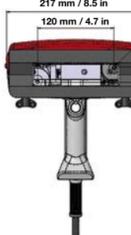
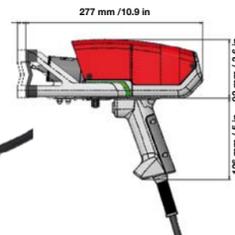


Marking Window - 60 x 25 mm / 2.4 x 1 in.

ADVANTAGES OF THE e10 p63

- **LIGHTWEIGHT AND COMPACT**
- Only 3.2 kg (7.05 lbs)
- One-Handed Operation
- High Precision (ideal for data matrix)
- LED Lighting of Marking Area

p123



Marking Window - 120 x 25 mm / 4.7 x 1 in.

ADVANTAGES OF THE e10 p123

- **WIDE MARKING WINDOW**
- Robust Cast Aluminum Body and Handle
- Stainless Steel Spring Strain Relief for Cable Protection
- V-Grooved Front Plate with Adjustment Settings for Stylus-to-Part Distance
- LED Lighting of Marking Area



Power Booster

Optional booster card enables deep marking on hardened steels (available for both models)

MECHANICAL TECHNICAL FEATURES

	e10 p63	e10 p123
Marking Window	60 x 25 mm (2.4 x 1 in.)	120 x 25 mm (4.7 x 1 in.) (option 120 x 40 mm / 4.7 x 1.6 in.)
Weight	3.2 kg (7.05 lbs)	3.7 kg (8.15 lbs)
Robotic Cable	7.5m / 24.6 ft (10m or 15m in option)	
Stylus	Carbide	
Positioning	V-Groove Front Plate	
Column (optional)	Stroke 270 mm	
Rotary D Axis (optional)	For Parts up to 150 mm (5.9 in.) in Diameter and 3 kg (6.6 lbs)	



e10

Standard Features

- Color Screen
- USB Port: fast and easy transfer of marking files
- Connectivity: current standard communications
- Fully Programmable
- Sandalone Operation (no PC is required)
- Innovative Microprocessor: fast and smooth browsing
- Marking History and Self Diagnosis Functions (maintenance, configuration, and statistics)
- Wide Range of Marking Options (data matrix, angular, circular, alphanumeric, logos, etc.)
- Industrial Membrane Keyboard
- Fully Enclosed Controller IP40: no openings or fans
- 100% compatible with previous machines



Color Screen



USB Connection on Front Panel: import/export marking files; keyboard external plug



Full Connectivity: compatible with diverse range of communication protocols (see options)

ELECTRONIC TECHNICAL FEATURES

	e10
Dimensions (d x l x h)	322 x 380 x 112 mm (12.7 x 15 x 4.4 in.)
Weight	5 kg (11 lbs)
LCD Screen Resolution	480 x 272 pixels
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 (3rd and 4th axis optional)
Operating Temperature	From 5 to 40°C / 40 to 105°F
SOFTWARE	
Memory	7110 Kb
Text	Incrementation, Date Codes
Logos	Download from PC/USB Key
Data Matrix	Up to 348 Characters (48 x 48 dots)
Fonts	4 x 6, Arial, Comic, Comic_B, Courier, OCR, OCR_BOLD, OCRA
Style	Angular, Radial, Inverse, <i>cirror</i>
Character Size	From 0.1 mm to 99 mm (restricted by marking window size)
Impact Force	9 Adjustable Levels
Depth	Up to 0.5 mm (depending on material marked)
Resolution Between Dots	0.05 mm (0.002 in.)
Work Shift Management	10 Shifts (24h)
Password	3 Security Levels
Historical Function	Exportable Excel File
Maintenance Assistance	Self Diagnosis
Software	17 Languages
COMMUNICATION	
Ports	RS232, RS422, USB (RS485 Profibus and TCP/IP Ethernet in option)
Inputs/Outputs	8/8
External Keyboard Input	USB
External Output	5V - 0.5A and 48V - 3A
Soft on PC	Create Marking Files, Controller/PC or USB Key Transfer, Historical Function