

PORTABLE SYSTEMS

Economical marking units



e1 RANGE

e1-p63c
e1-p123
e-mark



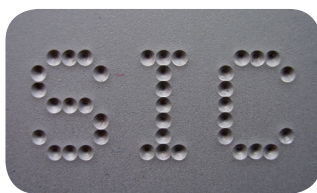


DOT PEEN TECHNOLOGY: FAST, EFFICIENT MARKING ON ANY MATERIAL!

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 so unique is the constant measurement of the electrical current between each pulse. This allows for constant, precise control of the impact consistency.



PORTABLE SYSTEMS

Our portable range offers lightweight, totally mobile, and ruggedly constructed marking systems that are ideal for marking heavy or difficult-to-access parts. The column-mounted range has been specially designed for marking almost any sized part, no matter how small, bulky, or awkwardly shaped, directly on a workbench.

These high speed, powerful marking systems will work on any material, including plastics and hardened steel up to 62 HRC, all with a constant level of quality and accuracy.

Ownership and operational costs are very low, and no consumables are required for use.

HIGHLIGHTS

■ Robust and Reliable

- Designed for industrial environment
- Cast aluminum body

■ Simple and User-Friendly

- Lightweight
- Mobile, ergonomic, and versatile
- Simple programming

■ Wide range of options

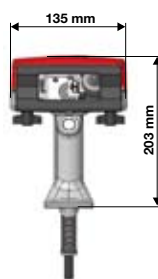
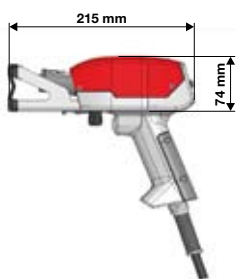
■ High Performance

- 100% electromagnetic technology
- Constant precision and quality
- High speed marking
- Powerful integrated software
- Ideal for marking heavy or bulky parts, up to 62HRC

■ Low cost of ownership

- Low initial investment
- Reduced maintenance
- No consumables

p63c

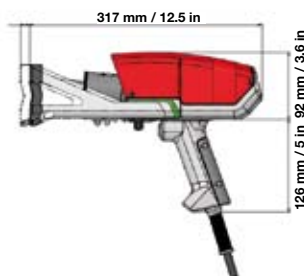


marking window - 60 x 25 mm / 2.4 x 1 in

■ ADVANTAGES OF e1 p63c.....

- **LIGHT AND COMPACT**
- Only 2.6 kg/ 5.7 lbs
- Robust cast aluminum body and handle
- Carrying case
- e1 intuitive software

p123

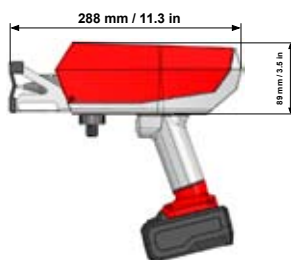


marking window - 120 x 40 mm / 4.7 x 1.6 in

■ ADVANTAGES OF THE e1 p123

- **WIDE MARKING WINDOW**
- Robust cast aluminum body and handle
- Stainless steel spring strain relief cable protection
- V-grooved front plate with automatic settings for stylus/part distance
- e1 intuitive, user-friendly software

e-mark



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

■ ADVANTAGES OF e-mark.....

- **CORDLESS MARKING SYSTEM**
- Ease of use & well-balanced
- Ergonomic handle
- Light weight (3,2 kg / 7.05 lbs battery included)
- Carrying case, charger + 2 x batteries
- e1 intuitive, user-friendly software

MECHANICAL TECHNICAL FEATURES

| | e1 p63c | e1 p123 | e-mark |
|---------------------|--|---|-----------------------------|
| Marking Window | 60 x 25 mm / 2.4 x 1 inches | 120x40 mm/ 4.7 x1.6 inches 120x25 mm / 4.7 x 1 inches (optional) | 60 x 25 mm / 2.4 x 1 inches |
| Weight | 2,6 kg / 5.7 lbs | 3.7 kg / 8.1 lbs | 3.2 kg / 7.05 Lbs |
| Stylus | Carbide | | |
| Positioning | V-groove front plate | | |
| Robotic Cable | 3 m / 9.8 ft (up to 15m / 49 ft in option) | | - |
| Maximum Part height | 260 mm with optional column | | - |



e1

Characteristics

- Color Screen
- Compact size
- USB port for fast and easy transfer of marking files
- Fully programmable, easy to use software
- All marking types are supported (DataMatrix, angular, circular, alphanumeric, logos etc.)
- Industrial membrane keyboard



■ Color



■ USB Port



■ Ergonomic Handle



■ Carrying Case

ELECTRONIC TECHNICAL FEATURES

e1

| | |
|-------------------------|---|
| Dimensions (d x l x h) | 301 x 121 x 87 mm |
| Weight | 2 kg |
| LCD Screen | 95 x 54 mm/ 3.74 x 2.12 inches |
| Keyboard | 49 touches, protection par membrane |
| Power | 100 Watt |
| Power Supply | 100-240 Vac, 50-60 Hz |
| SOFTWARE | |
| Memory | >100 Mo |
| Variable | Serial number, date coding, barcode, alphanumeric |
| Logos | Download from PC or USB |
| Fonts | 4x6, Arial, Comic, Comic_B, Courier, OCR, OCR_BOLD, OCRA |
| Style | Angular, radial, linear, data matrix, logo |
| Character Size | From 1 mm / 0.03 inches to 99 mm / 4 inches (restricted by marking window size) |
| Impact Force | 9 adjustable levels |
| Depth | Up to 0.3 mm / 0.012 inches (depending on material marked) |
| Resolution Between Dots | 0.05 mm / 0.012 inches |
| Password | 1 security level |
| COMMUNICATION | |
| Ports | USB |
| Inputs/Outputs | Jack |
| PC Based Software | Backups, logo creation and transfer |

MACHINES



Specific Front-End Support



Maintenance Kit



Barcode Reader



Hook and Balancing System



Column / Plate Holder



E-Mark Carrying Case



**2x18v Li-ion Batteries +
Charger for E-Mark**

APPLICATIONS



Chassis Frame Side Rail Marking



Engine Marking



Pipes Marking

Mark today
Identify tomorrow



SIC MARKING, THE MARKING SOLUTIONS LEADER

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

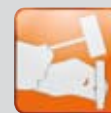
SIC Marking has developed a full range of exclusive marking machines - dot-peen, scribing & laser technologies - and services.

SIC MARKING, A WORLDWIDE NETWORK 40 DISTRIBUTORS AND 5 SUBSIDIARIES

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CONVENTIONAL
MARKING



DOT PEEN



SCRIBING



LASER

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VISION



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TURNKEY
SOLUTIONS

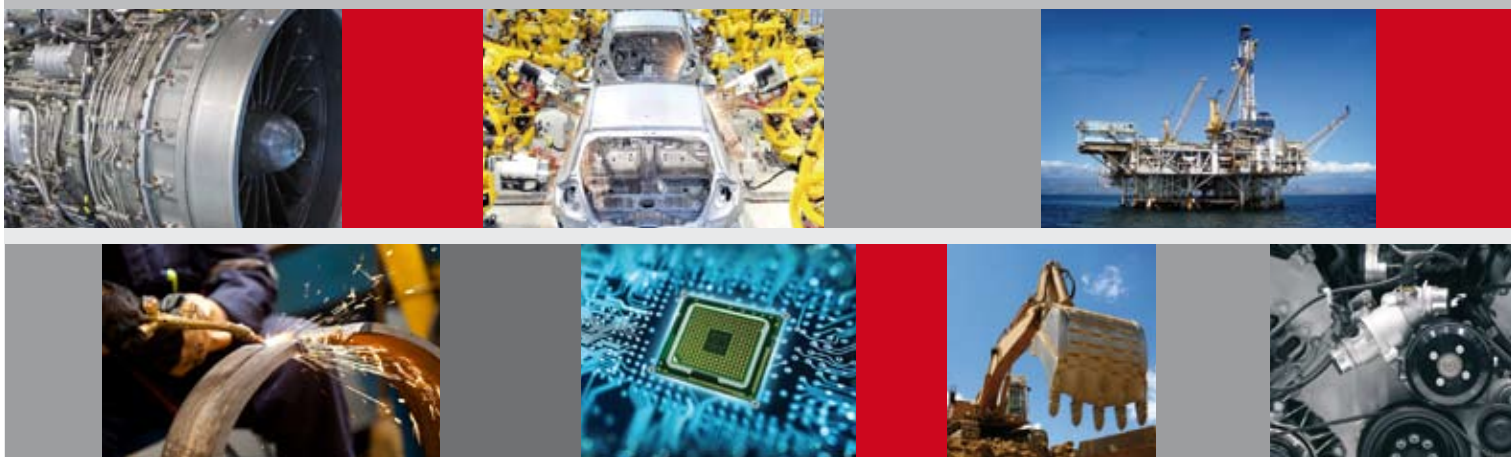


TURNKEY
SOLUTIONS



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v10 accreditation : 200212542

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