DOT-PEEN PORTABLE COLUMN-MOUNTED

PORTABLE & COLUMN-MOUNTED SYSTEMS

Economical marking units

e9 RANGE

e9-p62
e9-p123
ec9

SIC MARKING

DOT PEEN TECHNOLOGY : FAST MARKING ON ALL MATERIALS !

Dot peen marking is achieved by a controlled electromagnetic pulse striking a carbide or diamond stylus assembly against the surface of the part to mark.

This type of marking (text, digits, logo) is made of a succession of dots. Each dot is created by the impact of the stylus on the surface. The force is given by a controlled current pulse through an electromagnet, in order to push the magnet toward the surface. A spring returns the stylus assembly to the start position, waiting for the next pulse. Frequency can vary depending on the force selected and the speed of X and Y axis movements.

SIC Marking dot peen technology is unique by the fact that the electrical current is measured between each pulse in order to control the impact consistency.

PORTABLE & COLUMN-MOUNTED SYSTEMS

E9 hand-held and column-mounted marking machines have been designed for industrial use. The portable range is made of the portable range is a lightweight, mobile and robust marking system ideal for marking heavy or bulky parts. The column-mounted range is especially designed for marking almost all type of parts (small or medium size) directly on a workbench.

These high speed and powerfull marking systems can mark on all types of material, from plastics to hardened steel -62 Hrc- with a constant quality and accuracy.

The ownership and operational costs are very low, no consumables are required.

HIGHLIGHTS .....

■ Robust and reliable
- Designed for industrial environment
- Cast aluminum body

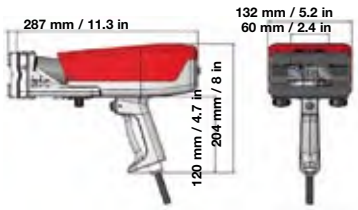
■ Simple and user-friendly
- Lightweight
- Mobile, ergonomic, and versatile
- Simple programming

■ Wide range of options

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

■ Low cost of ownership
- Low initial investment
- Reduced maintenance
- No consumables

p62

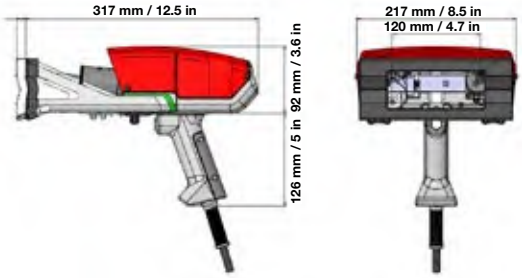


marking window - 60 x 25 mm / 2.4 x 1.6 in

ADVANTAGES OF e9 p62

- **LIGHT AND COMPACT**
- Only 3.5 kg/ 7.71 lbs
- Robust cast aluminum body and handle

p123

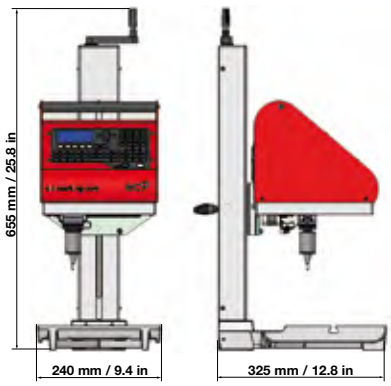


marking window - 120 x 40 mm / 4.7 x 1.6 in

ADVANTAGES OF e9 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

ec9



marking window - 100 x 100 mm / 3.9 x3.9 in

ADVANTAGES OF ec9

- **SIMPLE AND ROBUST**
- Steel /cast iron column and base
- Equipped with D rotary axis or plate holder

MECHANICAL TECHNICAL FEATURES

	e9 p62	e9 p123	ec9
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)	100 x 100 mm/ 3.9 x 3.9 inches
Weight	3.5kg / 7.7 lbs	3.7 kg / 8.1 lbs	23kg / 50.7 lbs
Robotic cable	3 m / 9.8 ft (up to 15m / 49 ft in option)		-
Stylus	Carbide		
Positionning	V-groove front plate		-
Maximum part height	260 mm with optinal column		270 mm
Rotary D axis (option)	For parts up to 150 mm / 5.9 in diameter and 3 kg / 6.6 lbs		

Characteristics

- Fully programmable
- Angular and circular marking
- Self explanatory icons
- Standalone operation (no PC required)
- Industrial membrane keyboard

ELECTRONIC TECHNICAL FEATURES

	e9
Dimensions (d x l x h)	240 x 226 x 195 mm / 9.4 x 9 x 7.5 inches
Weight	4.6 Kg / 10.1 lbs
LCD screen	70 x 35 mm / 2.8 x1.6 inches
Keyboard	Qwerty integrated, membrane overlay
Power	100 Watt
Power supply	110 V or 220 V / 50 to 60 Hz
SOFTWARE	
Memory	128 Kb
Alphanumeric characters	Serial number, date coding
Logos	Download from PC
Fonts	4x6, Arial, Comic, Comic_B, Courier, OCR, OCR_BOLD, OCRA
Style	Angular, radial
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 0.3 mm / 0.012 inches (depending on material marked)
Resolution between dots	0.05 mm / 0.012 inches
Maximum stylus stroke	Up to 9 mm / 0.35 inches
Password	1 security level
Software	15 languages
COMMUNICATION	
Ports	RS232, USB
Inputs/Outputs	2 inputs
PC based software	Backups, logo creation and transfer

Options, accessories and applications

MARKING GUN S

Magnetic clamping

Battery cart

Column / plate holder

Hook and balancing system

Maintenance kit

Barcode reader

EC9 COLUMN

Plate holder

Rotary column

Rotary axis

Start pedal

Start/stop button box

APPLICATIONS

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
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- DOT PEEN
- SCRIBING
- LASER

INDUSTRIAL VISION

- INDUSTRIAL VISION

TURNKEY SOLUTIONS

- TURNKEY SOLUTIONS

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