OPTIONS

Rotary axes

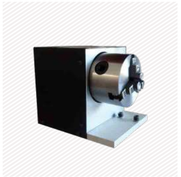


Plate support

Ethernet

EtherNet/IP

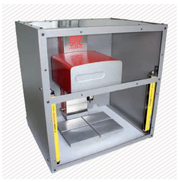
PROFINET

PROFIBUS

Communication cards for e10 controller

Datamatrix reader

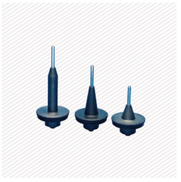
Wireless barcode reader



Protective box with light curtains

Tag feeder

Maintenance kit



Wide range of stylus

Button box

Starting cycle pedal

	e10 c153	e10 c153 za	e10 c303	ec1
Rotary axes	●	●	●	●
Plate support	●	●	●	●
Communication cards for e10 controller	●	●	●	
Datamatrix reader	●	●	●	●
Wireless barcode reader	●	●	●	●
Protective box with light curtains		●		
Tag feeder	●	●	●	
Maintenance kit	●	●	●	●
Wide range of stylus	●	●	●	●
Button box	included	included	included	●
Starting cycle pedal	●	●	●	●

Please consult us if a specific configuration is not published in the table attached.

SIC Marking designs customized and turnkey solutions for all industrial sectors. Our design offices produce machines in compliance with your specifications and your industrial standards.

SUPPORTING YOU ALL OVER THE WORLD

Subsidiaries in Italy, Germany, Great Britain, Canada, the United States, Mexico, China, South Korea, and a network of more than 40 distributors...

SIC MARKING, A GLOBAL SPECIALIST IN MARKING AND TRACEABILITY SOLUTIONS.

SIC Marking is an international group developing permanent marking solutions and automatic reading systems (datamatrix) for the traceability of industrial components. SIC Marking offers a complete range of dot peen, scribing and laser marking machines.

With 30 years of experience, SIC Marking develops traceability applications for a wide range of materials such as steel, alloys, stainless steel, titanium, aluminum, and plastics. Today we work with professionals in various industries such as: automotive, aerospace, metallurgy, mechanical engineering, plastics processing, railway, medical, construction, defense...

With an experienced, responsive and involved team, SIC Marking offers a complete range of standard products, and custom machines to meet all your needs.

SIC Marking is certified ISO 9001: 2008.

DOT PEEN

COLUMN-MOUNTED RANGE

Catalog

SIC MARKING

The mark of quality

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 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.

COLUMN-MOUNTED RANGE : ROBUST AND VERSATILE

SUITABLE FOR MARKING 2D CODES

Among the range of stand-alone marking stations, column-mounted units are perfect for use in a range of industrial working environments and will provide precise part marking on any material, including plastics and hardened steel up to 62 HRC. Their extreme accuracy, speed, and robust design make column-mounted machines a perfect solution for all types of dot peen marking.

Thanks to the wide marking window, LED lighting, and autosensing function, column-mounted machines are a reliable, multipurpose marking system. Electromagnetic marking technology works with parts of various shapes and surface conditions (flat surfaces, concave, convex, circular, raw materials, etc.) and requires only an electrical source of energy for operation.

SPEED AND ACCURACY
- Precise and accurate guides (0.02mm)
- Speed (linear movement 150mm/s)

ROBUST AND RELIABLE
- Designed for industrial environments
- Cast aluminum base
- Stylus assembly and interior mechanics are designed for intensive use

WIDE RANGE OF OPTIONS
- Rotary axis
- Support plate
- Customized marking window

HIGH PERFORMANCE
- 100% electromagnetic technology
- Wide tolerance between stylus and part
- Powerful integrated software
- Marking on all types of materials up to 62 HRC
- Wide marking window (300 x 150 mm / 11.8 x 5.9 in for c303)

LOW OPERATIONAL COSTS
- No consumables
- Reduced maintenance
- Low electrical comsumption (< 300 w)

E10 COLUMN-MOUNTED RANGE

STRIKING POWER

DATA BASE MANAGEMENT

e10 c153

Marking window: 100 mm 3.9 in × 160 mm 6.3 in

COMPACT & ROBUST
- Cast aluminum base
- Integrated position counter
- LED Lighting

e10 c153 za

Marking window: 100 mm 3.9 in × 160 mm 6.3 in

AUTOSENSING SYSTEM
- Automatic surface detection
- Automatic adjustment of stylus / part distance
- Motorized column with integrated brake
- LED lighting

e10 c303

Marking window: 150 mm 5.9 in × 300 mm 11.8 in

LARGE MARKING WINDOW
- Cast aluminum base
- Integrated position counter
- LED Lighting

e10 controller

- Color screen
- USB Port: to easily upload / download your marking files
- Fully programmable
- Standalone (no PC needed)
- Membrane protected industrial Keyboard
- IP40 waterproof box (no opening or fan)

E1 COLUMN-MOUNTED RANGE

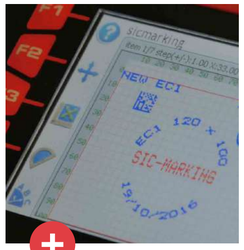
COMPACT SYSTEM

GOOD VALUE

ec1

Marking window: 100 mm 3.9 in × 120 mm 4.7 in

EASY TO USE
- Easy programming
- PC software provided
- Wide range of options
- Marking parts up to 62Hrc



Fully programmable

Marking of nameplates

Optional rotary axis