

# DOT PEEN MARKING MACHINE

## e10 i83



### + SPEED AND PRECISION

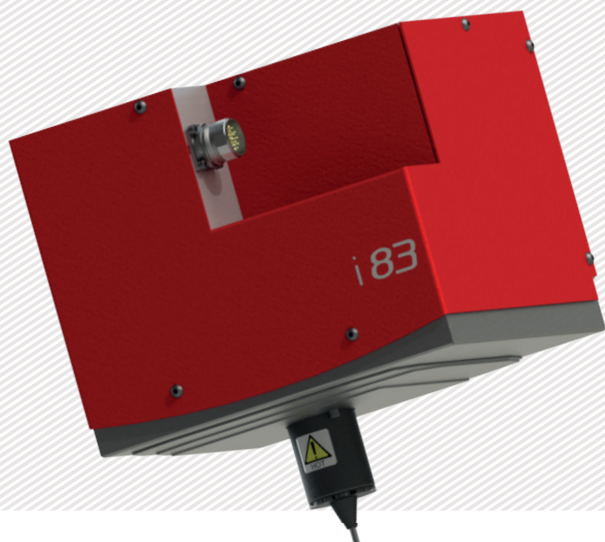
- High quality, precise guides (accurate within 0.02 mm)
- High performance software

### + ROBUST AND RELIABLE

- Hidden connector
- Mechanical stylus assembly designed for intensive use
- Integrated vision system (for i83V and i83VA)

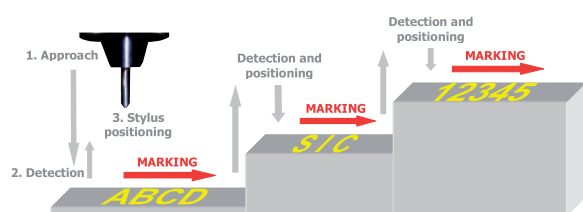
### + VERY COMPACT

- Dimensions: 225 x 202 x 256 mm - 8.8 x 7.9 x 10 in
- Large marking window: 80 x 70 mm - 3.1 x 2.7 in



## E 10 I83 A CONFIGURATION

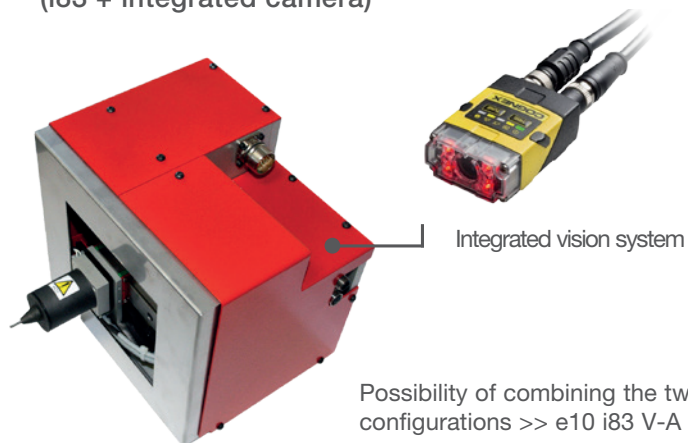
(i83 + autosensing option)



- Repeatability
- Automatic surface detection
- Autosensing system for high quality and reliable marking over time
- Associated with a z axis

## E 10 I83 V CONFIGURATION

(i83 + integrated camera)



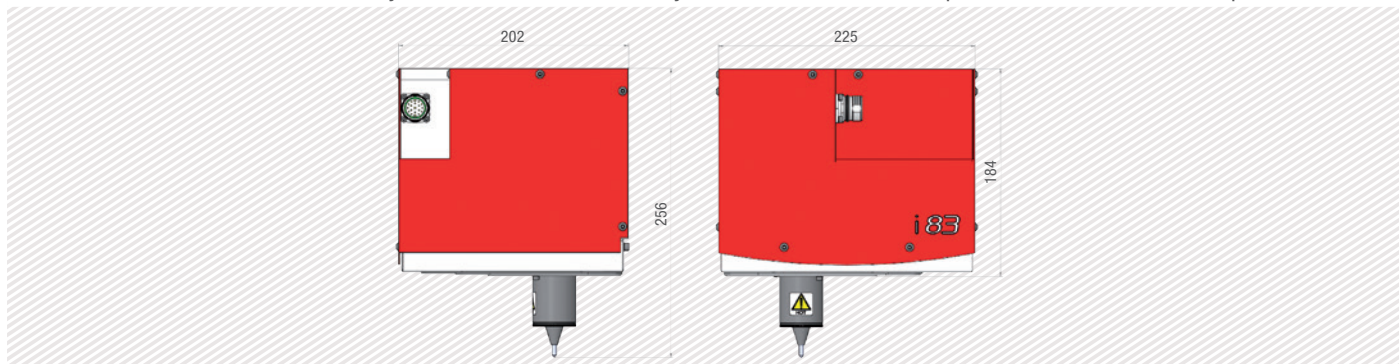
Possibility of combining the two configurations >> e10 i83 V-A

## DOT PEEN MARKING EXAMPLES

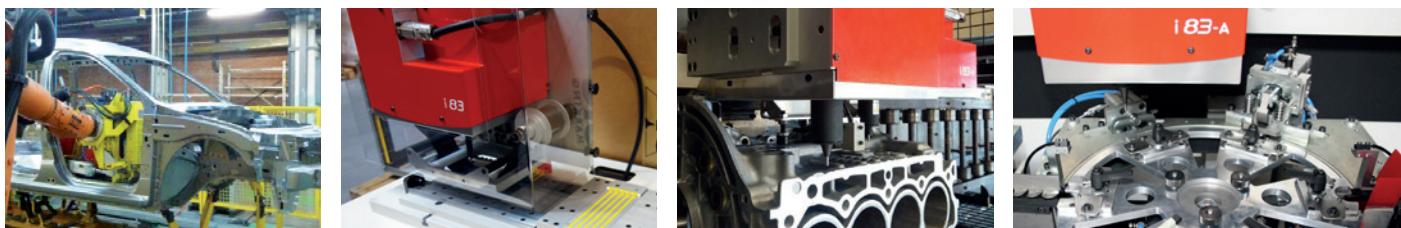


# TECHNICAL & MECHANICAL FEATURES

|                     | e10 i83                                                   | e10 i83 A                                   | e10 i83 V                                                     | e10 i83 VA                                                    |
|---------------------|-----------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Marking window      | 80 x 70 mm- 3.1 x 2.7 in                                  | 80 x 70 mm- 3.1 x 2.7 in                    | 80 x 70 mm- 3.1 x 2.7 in                                      | 80 x 70 mm- 3.1 x 2.7 in                                      |
| External dimensions | 225 x 202 x 256 mm -<br>8.8 x 7.9 x 10 in                 | 225 x 202 x 275 mm -<br>8.8 x 7.9 x 10.8 in | 225 x 202 x 256 mm -<br>8.8 x 7.9 x 10 in                     | 225 x 202 x 275 mm -<br>8.8 x 7.9 x 10.8 in                   |
| Weight              | 9,4 kg - 19.8 lbs                                         | 9,4 kg - 19.8 lbs                           | 9,6 kg - 19.9 lbs                                             | 9,6 kg - 19.9 lbs                                             |
| Stylus              | 60 mm - 2.4 in (80 or 100 mm -<br>3.1 or 3.9 in optional) | 60 mm - 2.4 in                              | 60 mm - 2.4 in                                                | 60 mm - 2.4 in                                                |
| Part detection      | no                                                        | yes                                         | no                                                            | yes                                                           |
| Camera              | no                                                        | no                                          | 1D and 2D decoding, 640 x 480<br>px (1600 x 1200 px optional) | 1D and 2D decoding, 640 x 480<br>px (1600 x 1200 px optional) |
| Reading area        | no                                                        | no                                          | 15 x 15 mm - 0.6 x 0.6 in                                     | 15 x 15 mm - 0.6 x 0.6 in                                     |
| Protective Bellows  | yes                                                       | yes                                         | partial                                                       | partial                                                       |



## APPLICATIONS



## OPTIONS



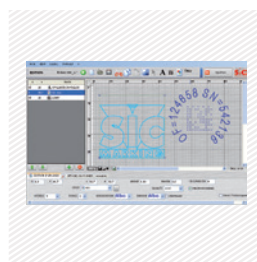
Z axis 50 to 250 mm



DIN rail kit for e10R controller



Wide range of stylus



PC software



Maintenance kit



Datamatrix reader



Wireless barcode reader

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.

# E10 CONTROL UNIT

## The 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)



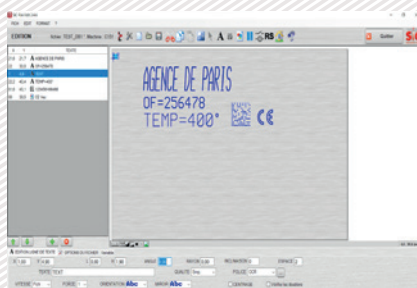
## Technical & electronic features

| e10 Controller        |                                          | Communication                 |                                                                |
|-----------------------|------------------------------------------|-------------------------------|----------------------------------------------------------------|
| Dimensions            | 322 x 380 x 112 mm - 13.7 x 15 x 4.4 in  | Communication ports           | RS232, RS422, USB, RS485 Profibus, TCP/IP, Ethernet/IP         |
| Weight                | 5 kg - 11lbs                             | Inputs-outputs                | 8/8                                                            |
| LCD screen resolution | 480 x 272 pixels                         | External keyboard input       | USB                                                            |
| Keyboard              | Qwerty integrated, protected by membrane | PC software                   | Creation of marking files, transfer controller / PC or USB key |
| Power                 | 300 Watt                                 | Optional communication cards: |                                                                |
| Power supply          | Single phase, 85 to 260 VAC, 50 to 60 Hz |                               |                                                                |
| Controlled axes       | 2 (optional 3rd / 4th axis card)         |                               |                                                                |
| Operating temperature | From 5 to 40°C                           |                               |                                                                |

Ethernet TCP   

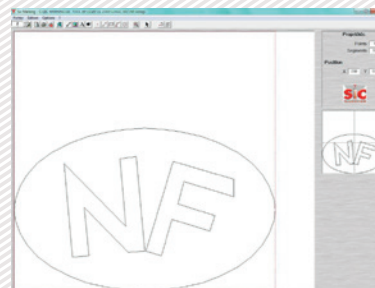
## PC UTILITIES

### File editor



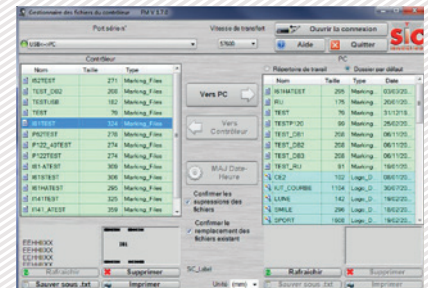
+ Creation or modification of files on PC.

### Creation of logos



+ Creation of vector and matrix logos.

### Creation of logos



+ Backup and file transfer utility.



# E 10 RANGE SOFTWARE

## Software features

|                         |                                                          |
|-------------------------|----------------------------------------------------------|
| Text function           | Incrementation, date codes                               |
| Logos                   | Download from a PC or USB key                            |
| Datamatrix              | Up to 348 characters, 48 x 48 dots                       |
| Fonts                   | Arial, Comic, Comic_B, Courier, OCR, OCR_BOLD, OCRA, 4x6 |
| Style                   | Angular, Radial, Inverse, and Mirror                     |
| Character Size          | From 0,1 mm to 99 mm (limited following marking window)  |
| Depth                   | Up to 0,3 mm (according to the material)                 |
| Resolution Between Dots | 0,05 mm MAX                                              |
| Password                | 2 security levels                                        |
| History function        | Exportable Excel file                                    |
| Help with maintenance   | Auto diagnosis                                           |
| Available languages     | 17                                                       |



Graphic view



Edit menu

| AFFECTATION DES I/O |           |          |
|---------------------|-----------|----------|
| Num                 | Entrée    | Sortie   |
| 1                   | ARRET     | Cycle    |
| 2                   | DEPART    | Dernier  |
| 3                   | Sel. Fich | Erreur   |
| 4                   | Sel. Fich | Pause    |
| 5                   | Sel. Fich | Prêt     |
| 6                   | Sel. Fich | PasPièce |
| 7                   | Sel. Fich | Pièce    |
| 8                   | Sel. Fich | Usure    |

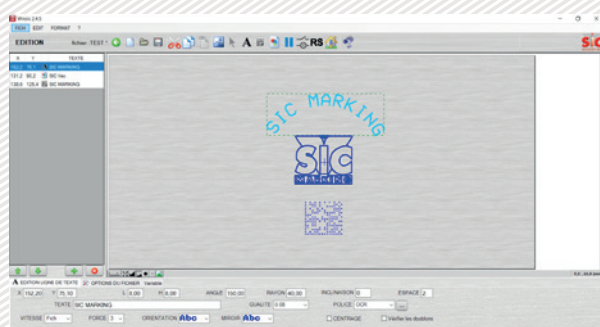
| STATISTIQUES CONTROLEUR |                 |
|-------------------------|-----------------|
| Déplacements            | Mémoire         |
| 0 Cycles                | 33 Fichiers     |
| 0 Caractères            | 17959 o. Utili. |
| AXE X 0.0 m             | 46409 o. Libres |
| AXE Y 0.0 m             | 27% Utilisées   |
| AXE Z Num. 0.0 m        |                 |
| Impacts                 |                 |
| F1: 0                   | F4: 0           |
| F2: 0                   | F5: 0           |
| F3: 0                   | F6: 0           |
| F7: 0                   | F8: 0           |
| F9: 0                   |                 |

PC software for directly controlling the marking machine.  
Available functions:

- Editing of marking files
- Input / output management
- History function and anti duplicates
- Datamatrix ECC200 and UID
- ...

# OPTIONAL WINSIC SOFTWARE

WINSIC is a PC software for direct control of the marking machine.



+ Built-in logo design utility

+ Database Management (Excel, Access, txt)

+ Insertion of background images

