DEEP AND FAST MARKING BY SCRIBING SV312

Integrable marking machine
Marking area 120 x 40mm.

ADVANTAGES OF MARKING BY DEEP SCRIBING

Scribing creates a **highly legible** continuous line mark at low noise levels compared to other **permanent marking** technologies for metal parts (micro-percussion, stamping,…)
Compared to engraving , deep scribing is **much faster** and does **not require any consumables.**

HIGH PERFORMANCE

- Maximum depth:
  - 0.3mm in steel at 110 HB
  - 0.25mm in cast iron
- Marking speed:
  - less than 10 seconds for 19 characters of 7mm (V.I.N. marking).

SAVE TIME AND MONEY ON INTEGRATION

The independent, user-friendly **UC312** control unit (screen + internal software + keyboard) speeds programming and eliminates the need for a PC or PLC.

UTILIZATION

The SV312 is the ideal solution for marking on metallic parts, of various shapes and states of surfaces, mainly for the following sectors:
- Automobile (V.I.N. marking, engine block, ...),
- Construction (structural iron, …),
- Off shore (tubes, valves, joints, …),
- Etc ...

ENVIRONMENT

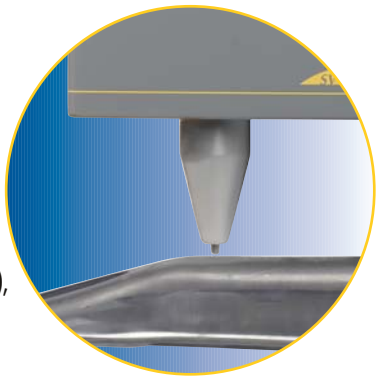
The SV312 marking system is designed for industrial integration on assembly and automatic production lines.

FEATURES

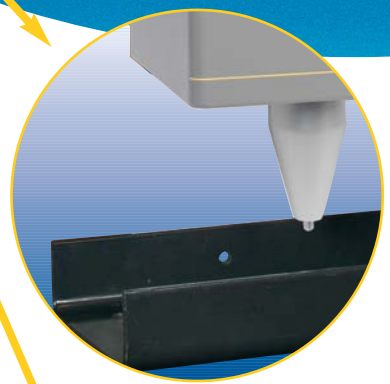
- Creation / Modification / Storage of data to mark.
- Management of the 6 input / 2 output board
- Calculation of variables: time stamps (several formats available), shift code, serial numbers.
- Management of text style:
  - choice of character font (standard, OCR, ...),
  - choice of logos,
  - compression, spacing, automatic centering,
  - linear marking, angular, radial, inclined, inverted, mirrored.
- Downloading of customized fonts and logos.

SIMPLIFIED INDUSTRIAL INTEGRATION

- **Piloting of the marking head by**:
  - Selection of files stored in the UC312's memory, by activation of inputs.
  - Control unit in autonomous operation.
  - PLC or any other information system, via RS232 connection.
- **Rapid interchangeability of the head:**
  - Mounted using mechanical fasteners.



Marks on frames



Marks on beams

Marks on shock towers

TECHNICAL SPECIFICATIONS

Accessories/Adaptations:

- UC/Marking head connecting cord 3–6–15–20 m, ask us about other lengths.
- Electrical supply: 115 V AC / 230 V AC

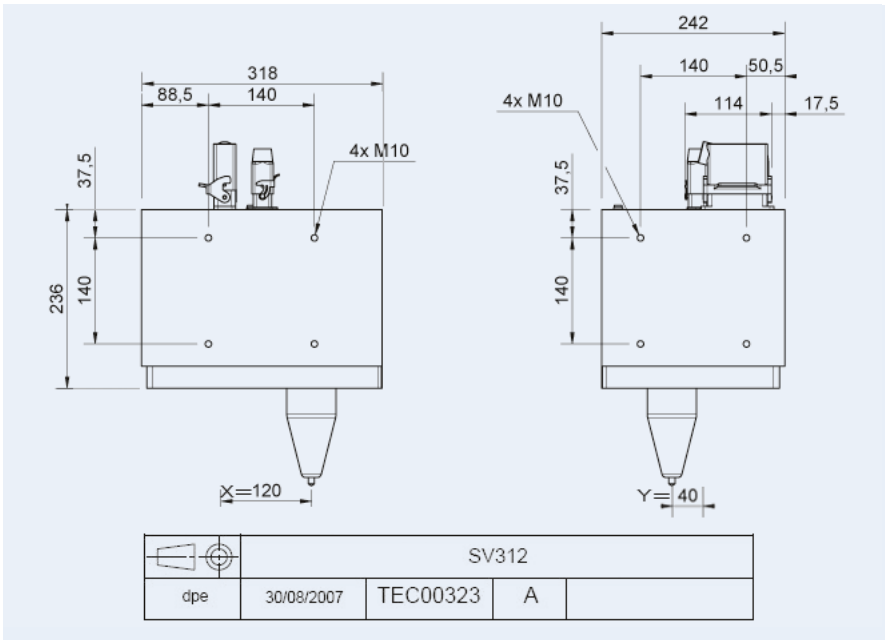
Scribing stylii:

Depending on the roughness of the surface, 2 types of points are available:

- Carbide point for rough surfaces, such as castings (3.2<Ra<12.5)
- Diamond point for machined and smooth surfaces (Ra<3.2).

Marking head SV312

- Dimensions (L x l x h): 318 x 242 x 236mm. (not including stylus and connectors).
- Weight: 24 Kg.
- Air supply: working pressure from 2 to 6bars, with pneumatic connection Ø 6mm.
- Operating temperature: +5 to +45°C.



V.I.N. marking

Control Unit UC312

- Dimensions (L x l x h) except connectors: case 19" 6U
- Weight: 16.5 Kg
- Electrical supply: 230 V AC ± 10%
- Power: 1 100 VA
- Eprom flash memory for quickly updating internal software
- Data entry by:
  - External 105-key AT keyboard (included with the UC312)
  - PC with Windows® software
  - PLC via RS232 connection (DB9 connector).
  - Other information systems via RS232 connection.
  - Bar code scanner via RS232 connection (optional).
- Operating temperature: +5 to +45 °C.
- Communication interface:
  - Start marking
  - End of cycle
  - Reset
  - Machine ready to start marking.
  - Selection of files by 6I/2O TOR board

Options:

- Downloading of additional fonts or logos (HPGL).
- Standard marking software Windows® T101W.
- File transfer software between the UC312 and a PC.
- Reception of data via RS232 connection.

Norms:

- Directive "Machine" 98/37/CE.
- Directive "Electromagnetic compatibility" 89/336/CEE.
- Directive low voltage "Electric devices" 73/23/CEE.
- Complies with Part 15 of the FCC rules.

	
Protective shutters option ref. SEOP013/190	Protective boot option ref. SEOP013/229

CERTIFIED QUALITY MANAGEMENT SYSTEM ISO 9001:2000 DNV

technifor

114, quai du Rhône - F-01708 MIRIBEL Cedex
Tel : +33 (0)4 78 55 85 50 - Fax : +33 (0)4 78 55 85 54
E-mail : tf@technifor.com
www.technifor.com