

CN312Sr

# Fast & Industrial SCRIBE MARKER



Quality marking  
without the noise

**technifor**

A MARK WHICH DEFIES TIME

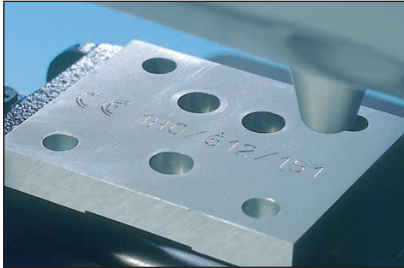
## SCRIBING TECHNOLOGY ASSURES A PERMANENT MARK, DIRECTLY IN THE MATERIAL, FROM PLASTIC TO THE HARDEST STEEL (62HRC).

The contents of the mark (text, logos, traceability variables, date codes... are produced by a carbide or diamond stylus which, when activated by compressed air, scribes the surface to be marked.

The movement of the point is highly precise (0.025mm steps), thanks to the design of

the X/Y table (X=100mm et Y=120mm) and management by a completely independent control unit .

**The continuous line, with its high legibility, is obtained without consumables or percussion, and at low noise levels (less than 72dB(A)).**



Controlling the depth of the mark is accomplished by adjusting the air pressure (between 1 and 4 bars). Depth is also dependent on the marking speed and the hardness of the material, for example a depth of 0.25mm can be obtained in aluminum.



The marking speed is linked to the size of the characters. For example, 3mm characters can be marked at 2 characters/second. The height of the characters can be adjusted from 0.5 to 100mm in steps of 0.1mm.

Angular and radial marking are possible to adapt the mark to the shape of the part. The spring mounted point allows uniform marking of irregular or curved surfaces.



### EASY TO INTEGRATE

The CN312Sr and the UC112 control unit were conceived for industrial applications and to be quickly and easily integrated into production lines.

The marking head is mounted using 4 M6 bolts and 2 locating pins Ø8H8. The control unit can be mounted to the back of an electrical cabinet or rack mounted (Rack 19"4U, optional).



The control of the marking head does not require a PC. The control unit integrates user-friendly marking software.

Programming is done using an LCD screen and full size keyboard . The marking files can import external data (PLC, GPAO, bar code reader) via RS232 link.

Once programmed in administrator mode, the marking system can operate independently without the risk of modification of the parameters locked by a password (operator mode).

### INTEGRATED SOFTWARE FEATURES

- Create / Modify / Save marking data.
- Management of 6 Input / 2 Output board.
- Calculation of variable data : date codes (several formats available), shift codes, serial numbers.
- Management text style :
  - Choice of fonts (standard, OCR...),
  - Choice of logos,
  - Compression, spacing, automatic centering, linear marking, angular, radial, inclination, inverted, mirrored.
- Downloading of custom fonts and logos.

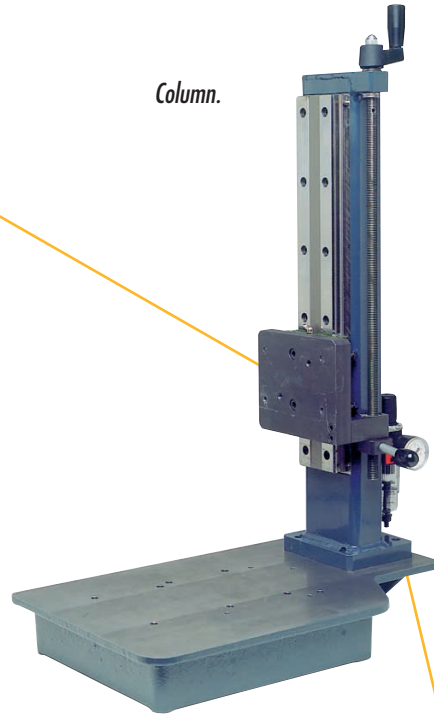


*Column-mounted version for marking parts up to 210mm height.*

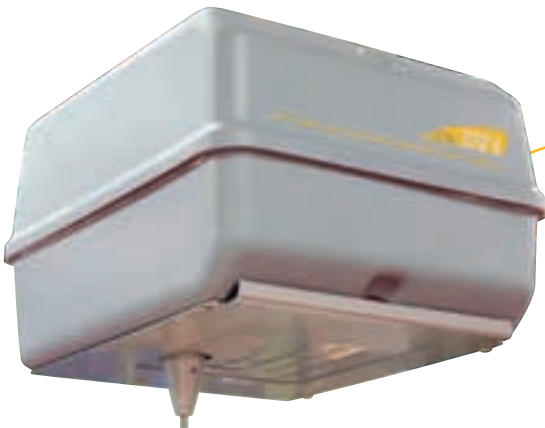
**FLEXIBLE AND RELIABLE SYSTEM  
FOR PERMANENT MARKING  
WITH LOW SOUND LEVELS.**



*Column.*

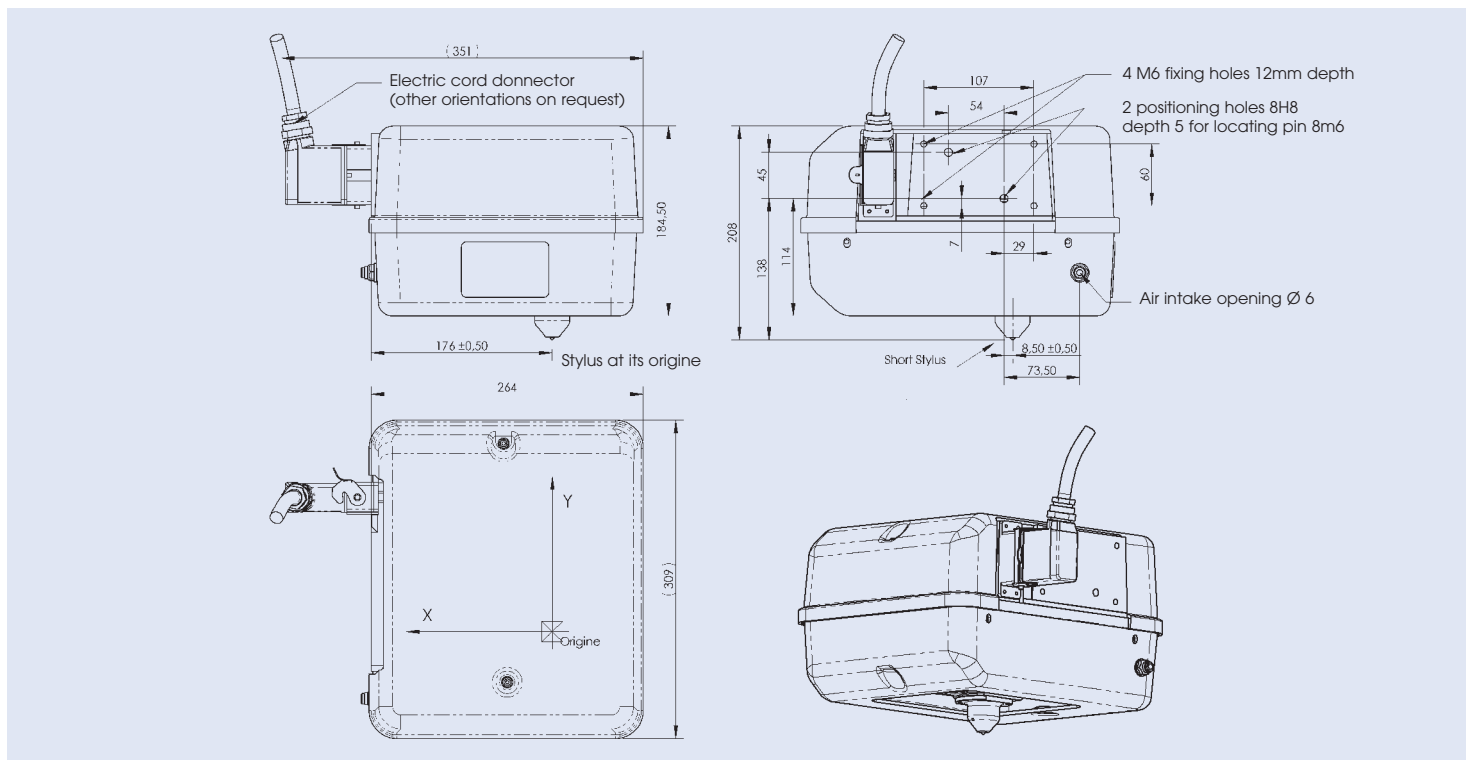


*Manual height adjustment for marking head.*



*Protective shutters for marking head.*





## CN312Sr Marking Head

- Dimensions (L x w x h): 351 x 309 x 184.5 mm (without stylus)
- Weight: 10.5 Kg
- Marking head: 100x120mm

## Scribing stylus

- Long stylus (56mm) for light marking (identification plates)
- Short stylus (38mm) for deep marking

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

- Carbide point for rough surfaces ( $3.2 < Ra < 12.5$ )
- Diamond point for smooth surfaces ( $Ra < 3.2$ )

## Accessories / Adaptations

- 3m Head/UC cord(standard), 6m, 10m or 15m.
- Column.
- Tag holding fixture with clamp
- Height adjustment system ( $\pm 22.5$  mm).
- Protective shutter for the head
- 230/115 V AC / 24 V DC - 110 W Power supply

## Options

- Downloading of fonts and logos (HPGL).
- T101W Windows® marking software.
- UC112 to PC file transfer software.
- External data input (UCBARCODE).
- Foot pedal to start marking.
- 19" 4U Rack mount face plate for UC112.

## UC112 Control Unit

- Dimensions (L x w x h) without connectors: 270 x 117.3 x 135.5 mm
- Weight: 3.2 Kg
- Electrical supply: 24 VDC  $\pm 10\%$
- Consumption: 110 W
- Data input by:
  - 105 key AT external keyboard (included with UC112)
  - PC using T101W Windows® software
  - PLC via RS232 link (DB9 connector)
  - Other information systems via RS232 link
  - Bar code readers via RS232 link (optional)
- File Selection from memory:
  - by 105 Key AT keyboard
  - by 6I / 2O (on DB25 connector)
  - by RS232 connection
- Communication interface (DB25 connector)
  - Start of marking
  - End of cycle
  - Reset
  - Machine ready
  - 6I / 2O

## Norms

- Directive "Machine" 89/392/CEE
- Directive "Electromagnetic compatibility" 89/336/CEE
- Directive low voltage "Electric devices" 73/23/CEE
- Complies with part 15 of the FCC rules



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