MICRO-PERCUSSION INDENT MARKING UNIT CN110p

A NEW CONCEPT for a self-contained solution, which is easy to integrate:
"marking head + control unit + marking software" all in one unit.

USAGE: ideal solution for marking metal and plastic parts in different conditions and in a variety of forms.
(automotive, mechanical, steel industry, electro-mechanical, ...)

ENVIRONMENT: conceived for industrial integration:
- into production or automatic assembly lines,
- into automatic or semi-automatic test stations.

EASY TO INTEGRATE

- **The control unit is integrated into the marking head**: no need for an electrical cabinet or complex wiring.
- The integrated **marking software** allows independent operation.
- The **integrated screen** makes it easy to view and to program the machine.

ECONOMICAL

- **Reduction of integration costs:**
  - **less space needed:** the control unit is integrated into the marking head.
  - **reduced programming time**: the integrated marking software allows each self-contained program to be selected.
- **Simplified mounting using** T-slots.
- No consumables.
- 24V DC electricity supply.

EASY TO PROGRAM

Several options for data entry:
- External keyboard, (delivered with the machine)
- Optional PC driven Windows® software
- Production Line Control (PLC) via RS232 & RS485 connection
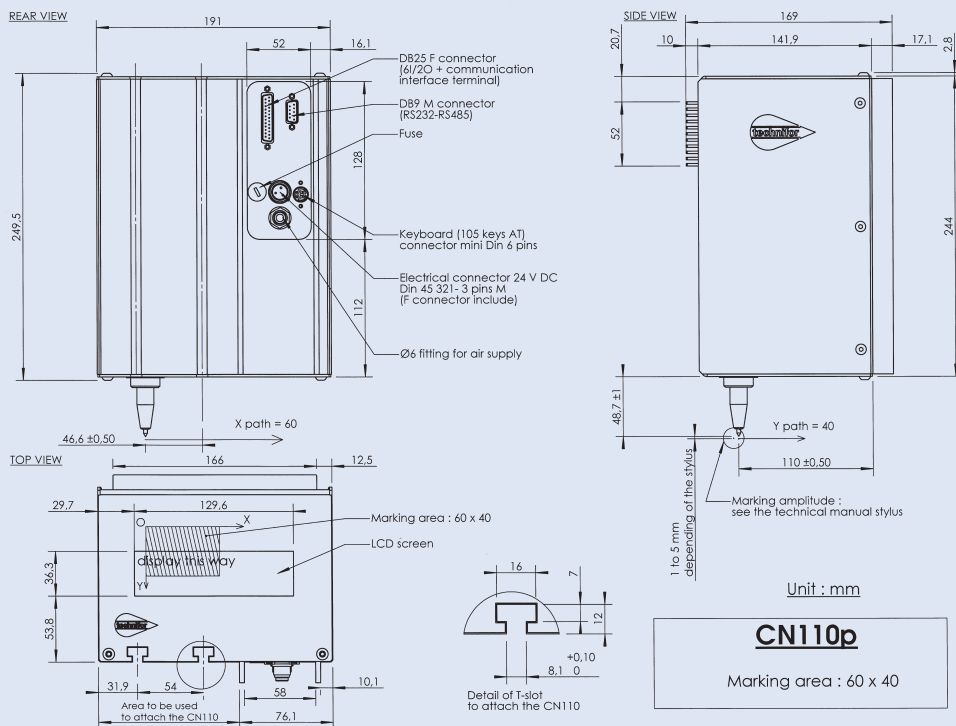- Bar code reader

INTERNAL SOFTWARE CAPABILITIES

- Creation/Modification/Back-up of the marking programs.
- Calculation of variable data: date and time (available in different formats), shift code, serial numbers.
- Management of the text style:
  - choice of font characters (standard, OCR, 5x7, ...),
  - selection of logos,
  - compression, spacing and automatic centering of the characters,
  - linear, angular, radial, inclined, inverted and mirrored marking.
- Downloading of fonts and personalised logos.
- Management of input/output.

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A MARK WHICH DEFIES TIME

REAR VIEW

DB25 F connector (6I/2O + communication interface terminal)

DB9 M connector (RS232-RS485)

Fuse

Keyboard (105 keys AT) connector mini Din 6 pins

Electrical connector 24 V DC Din 45 321- 3 pins M (F connector include)

Ø6 fitting for air supply

X path = 60

TOP VIEW

Marking area : 60 x 40

LCD screen

display this way

Detail of T-slot to attach the CN110

Area to be used to attach the CN110

SIDE VIEW

Y path = 40

Marking amplitude : see the technical manual stylus

1 to 5 mm depending of the stylus

Unit : mm

CN110p

Marking area : 60 x 40

Accessories:
- Standard stylus, extended stylus
- Increased amplitude stylus
- Protective bellow (reduction of the marking area to 40x40mm)
- Height adjustment system (+/- 22mm)
- Supply 230V AC / 24V DC - 3A
- Supply 115V AC / 24V DC - 3A

Environment:
- Dimensions (lxhxw): 191x169x250mm (excluding stylus)
- Weight: 5.5Kg
- Electrical supply: 24V DC +/-10% (3-points DIN 45 321connector)
- Power: 80W
- Air supply: running pressure from 5,5 to 6bars nominal with pneumatic fitting Ø 6 mm, 8bars maximum.
- Operating temperature: +5 to +40°C

Norms:
- Directive "Machine" 89/392/CEE
- Directive "Electro-magnetic Compatibility"89/336/CEE
- Low voltage directive "Electrical equipment"73/23/CEE

Control unit :
- Integrated into the marking head
- Processor: 32bits, memory capacity: 70Ko
- Data entry by:
  - External keyboard 105 AT keys (supplied with the CN110)
  - PC with Windows® software
  - PLC via RS232 & RS485 connector (DB9 connector)
  - External computer systems via RS232 & RS485 connection
  - Bar code reader via RS232 & RS485 connection (optional)
- Selection of stored files:
  - with the 105 AT key keyboard
  - with a 6 In/2 Out board (on the DB25 connector)
  - with a serial connection RS232
- Communication interface (on the DB25 connector)
  - start of marking
  - end of cycle
  - reset
  - machine ready to start marking

Options:
- Downloading of fonts or extra logos
- Standard marking software for PC (Window®) T700W/110
- Reception of data (UCBARCODE)

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