

# Tema Multi for Slabs

This system marks slabs by our TEMA Multi paint / ink marking head assuring a cost effective solution for high quality marking at high speed. Different configurations are available to comply with Customer specifications and installation lay out.

## Main Marking Features

- Cold and Hot application up to 1100 °C
- Marking position: on the front or side surface
- Static (slab stopped under marking machine) or dynamic (on fly) marking at high speed
- Symbols: letters, numbers, special characters (logos), Data Matrix code
- Height of symbols from 28 mm to 200 mm, in one or more lines
- Font based on dot matrix: 7, 9 or 12 dots in height



**System configuration**

- Structure, being a cantilevered beam (fixed or swivelling) or a bridge overcrossing the slab conveyor line
- One or more TEMA Multi marking heads
- Paint preparation cabinet (including circuit for paint recirculation)
- Pneumatic cabinet
- Automatic cleaning system
- Power and control cabinet
- Control desk with HMI
- For hot applications, the system is equipped with a kit for thermal protection

**Functional features**

Many parameters can be adjusted / selected by the operator via Control Unit, f.i.:

- Dot dimension (4 - 20 mm, automatically adjusted to slab temperature)
  - Characters dimension (width, compression, height)
- Host connection (Ethernet, Profibus or other common industrial fieldbus)

**Optional function**

- Air knife to clean the slab surface before marking
- Tools for editing fonts and modifying parameters

- Marking a Data Matrix code readable by a standard reader (combined marking / reading function to achieve automatic tracking of slabs)

**Paint / Ink features**

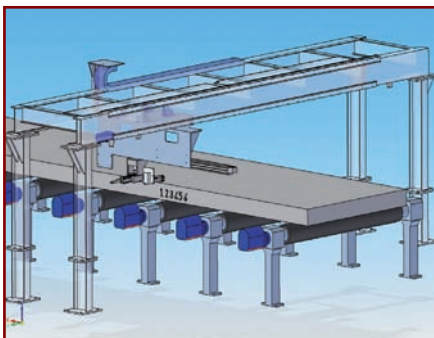
**Type:**

cold: paint (solvent or alcohol base), ink (MEK or alcohol base)

hot: paint (solvent or water base)

**Colour:** white (other colours available for cold applications)

**Consumption:** approx.10 g for 1000 dots (about 60 chars 70mm high)



Certif. n° 1235/98



Certif. n° EMS-1724/S

