

# TEMA HP

TEMA HP is a modular, paint/ink marking system suitable for high resolution characters and/or high speed marking process.

TEMA HP system is basically composed by :

- a multi-nozzles marking head
- the paint / ink feeding cabinet with paint / ink recirculation
- the pneumatic cabinet
- the microprocessor control system
- the automatic cleaning system

## TECHNICAL FEATURES

### Available matrix:

various, from 7 up to 32 dots in height

### Characters type:

alphanumeric, logos, Data Matrix, special characters, different fonts

### Characters size:

height from 10 to 132 mm (settable by the operator)

### Marking speed:

up to 250 characters / s

### Type of marking:

standard (straight forward), reverse, upside down, on one or more lines static marking (head moving over the product at standstill) or dynamic marking (on fly during product conveyance)

### Marking product:

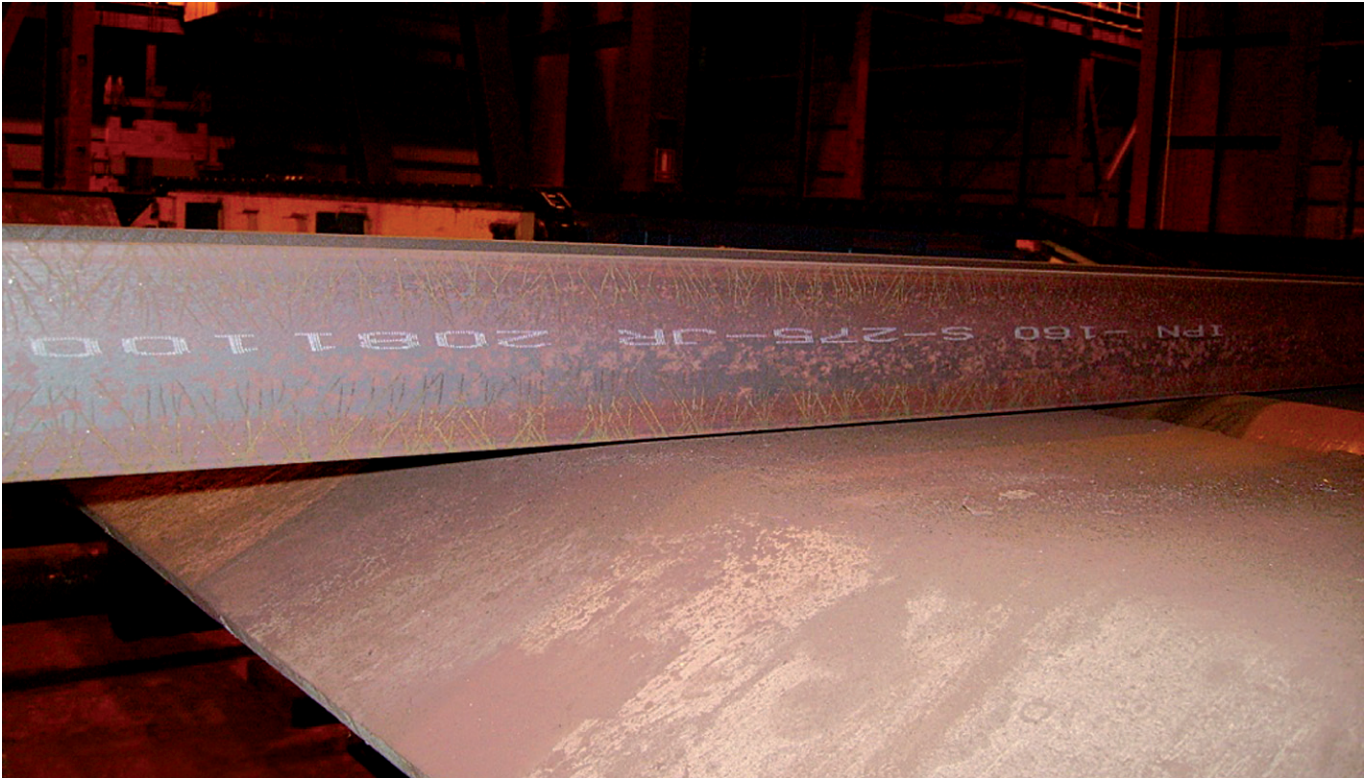
paint (solvent and water based) or ink (according the application)



**System configuration**

- compact head for easy installation
- electro-magnetic nozzle command
- local control box for set up and maintenance:  
spray gun cleaning, single shot, repeated shot
- control unit capable to manage unlimited number of heads/lines and number of characters per line
- marking mode: time base control or encoder control
- full control of marking parameters, adjustable in run - time mode by local or remote interface
- marking data entered by local HMI or downloaded by remote interface
- multi-platform (Java) tool for characters and logos editing

Our custom automatic reading devices AURS for optical recognition of letters and numbers written by TEMA HP (fixed position) and for recognition of data matrix and bar codes paint/ink jet marked by TEMA HP (fixed position and portable) are available (see relevant data sheet)



Certif. n° 1235/98



Certif. n° EMS-1724/S

