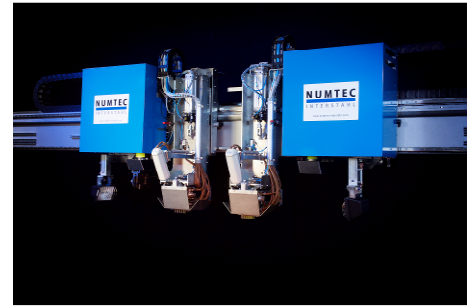


CHARACTER SIZE FROM 5 TO 45 MM

PERMANENT, LOW-COST

CHARACTERS, LOGOS AND 2D-CODES POSSIBLE



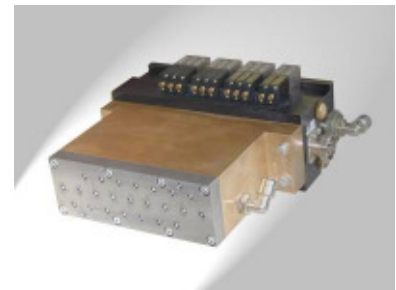
Matrix Punch Marker

TECHNICAL CHARACTERISTICS

High-speed marking heads, modular-built for quick and easy maintenance. Variable character size, up to three lines can be marked within one marking movement. Marking equipment can be combined with NUMTEC-INTERSTAHL linear handling units and robots. Available as stand-alone machine and in combination with Dot Paint, Paint Jet or Ink Jet paint marking heads.

ECONOMICAL AND TECHNICAL BENEFITS

Low operating costs, variable character size, extremely short marking cycles, high impact energy. Company logos and 2D codes beneath alphanumeric characters also possible.



Marking Head

TECHNICAL DESIGN

Equipment manufactured using standardised modules, either combined linear modules or industrial robots, resulting in high reliability and low maintenance of equipment. Control systems (standard Siemens S7 PLC) with standard interfaces to steel plant equipment and fault diagnosis system.



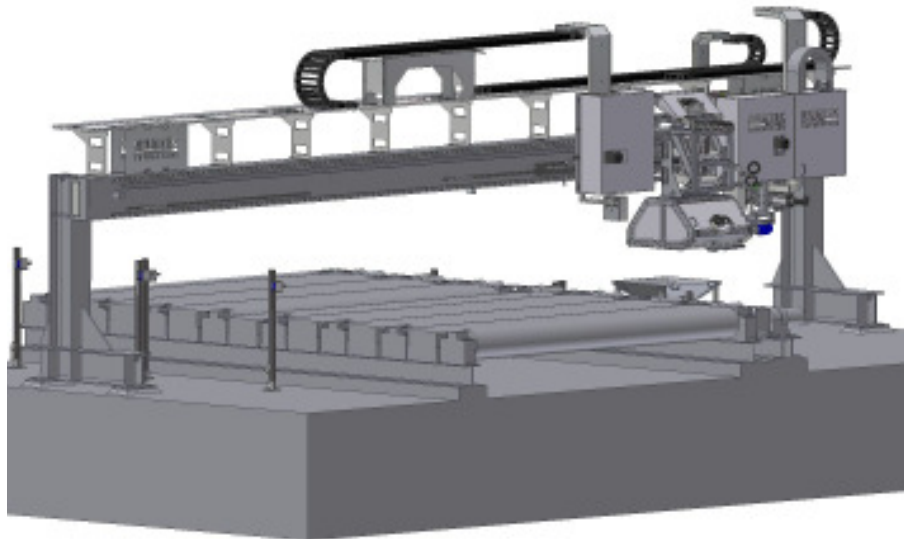
MX Marking

OPTIONS

- Air processing unit with refrigerator dryer
- Heat protection housing
- Air compressor with air processing unit
- Company logos

TECHNICAL DATA	
Usual applications	Semi-finished products of steel and non-ferrous materials e.g. plates, tubes, sections, coils and bars Finished products of steel and non-ferrous materials, e.g. forged or cast parts
Temperature range of product	0 °C – 1,000 °C
MARKING DATA	
Character size	4 – 45 mm
Number of lines	1, 2 or 3
Types	MX1 (1 pin), MX9 (9 pins) and MX23 (23 pins)
ELECTRICAL	
Mains supply	3 x 400 V, 50 Hz (other voltages also possible)
Power consumption	Approx. 5 kVA
Control voltage	24 VDC
PNEUMATIC	
Compressed air	Filtered and drained
Pressure	Min. 7 bar
Consumption	Max. 0.4 Nm ³ /min

MACHINE TYPES



Matrix Punch Marker Bridge Version for Plate Marking