Metal and Steel

Marking and Coding of Metal and Steel

Marking and Coding needs to endure a lot in the steel and metal industry: Effects of weather, large temperature fluctuations, severe stresses, harsh environments and a vast assortment of surface qualities. Marking Solutionss's inkjet printers are up to these requirements—thanks to state-of-the-art printer technologies, a wide ink portfolio and numerous hardware and software features. In addition, Marking Solutions camera systems meet the highest demands of verification requirements. Our Technology can read and check both fixed and variable data, text segments and barcodes.

Typical Markings

- Batch numbers/lot numbers
- Characters and text
- Model codes
- Expiration dates
- Company logos
- 1D and 2D codes

Materials

- Steel/stainless steel
- Iron
- Copper
- Brass
- Aluminum
- Gold
- Silver
- Metal plate
- Cans (beverage cans, tin cans, packaging cans, oil cans, etc.)

Examples of Typical Applications

- Special inks for the best durability, e.g. heat-resistant inks
- Cleaning bath-resistant markings
- Substituting labels
- Using pigmented inks (opaque inks) for high contrast on different colored backgrounds
- Marking after wire drawing
- Protection against tampering
- Comprehensive software and hardware accessories for easy and flexible integration of a printer in product lines
- Marking automotive parts made of steel and metal
- Imprinting aluminum spacers in window construction

Typical Print Monitoring Tasks

- Print monitoring/verification/image processing of various printouts
- Reliable monitoring of inkjet fonts (printouts of small character inkjet printers)

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