

## UNIVERSAL MARKER

- General purpose printer
- Indirect printing system
- Marking speeds up to 150 m/minute
- Marking cold plastic tubing and hoses as well as plastic insulated cables including products with irregular surfaces

## US 10-R

### APPLICATIONS

Marking within the extrusion line, downstream from cooling bath and drying fan

Marking in a separate operation

### STANDARD CONFIGURATION

Frame with support column and crank-operated height adjustment mechanism.

Marking unit with one marking station, guide rollers, and drive wheel.

Complete marking station with ink tank, solvent feed unit, printing disc shaft, and rubber faced transfer roll.

Complete accessories kit without printing discs.

### FEATURES

Offset printing machine with etched steel printing disc and rubber faced transfer roll.

Also suited for flexo printing using rubber plates (available separately).

Printing discs driven by product being marked.

Available on request with auxiliary drive for marking delicate product or products of small diameters or with slippery surfaces (see Options).

Available on request with electronically synchronized drive (see Options).



### SPECIFICATIONS

Max. marking speed:  
150 m/minute

Product diameter:  
8 to 250 mm (standard) up to 400 mm (special version)

Max. spacing of marks: 500 mm

Max. character size: 18 mm (standard)  
40 mm (special printing discs)

### SPECIAL VERSIONS

2 x US 10 for double-sided top or bottom printing.

US 10-T with two synchronized marking stations for extra-long legends.

## Options and Accessories

### **Electrical auxiliary drive. Option DM**

An electric motor provides a constant, adjustable pushing or braking torque independently of the marking speed. This reduces the strain on the product and ensures perfect synchronization even for small product diameters.

Recommended for machines used for marking products of low mechanical strength.



### **Electronically synchronized marking system drive. Option SGM**

A remote tacho generator supplies a control signal for synchronizing the printing wheels to the product. The power supply and control electronics are housed in a separate control cabinet.

### **Printing discs**

Printing discs are available with any desired code (numerals, legends, other combinations). Please specify when ordering.

Standard size: 80 mm in diameter, with 16-mm central hole.



### **Rubber Transfer Rings**

Rings made of optimum-grade rubber are available for many applications.

Standard sizes for US 10-R:

160 dia. mm x 8 mm (6 mm)



### **Ink Wipers**

Polyamide wipers for printing discs or inking rollers.

Several ink wipers are supplied with each offset marker.

However, we recommend to keep several replacement ink wipers for each printing disc and inking roller used.

### **Recommended Inks:**

M&S offset markers can be used with all commercial solvents and inks with a viscosity of approx. 50 to 150 seconds (as measured with a DIN 4-mm measurement cup).

Use inks containing low to medium volatility solvents only, in order to prevent premature pigment caking on the printing wheels.