

## DUAL-OFFSET-PRINTING HEAD

- Double-sided indirect gravure printing
- Indirect printing system
- Marking speeds up to 100 m/minute
- Marking cold plastic tubing and hoses as well as plastic insulated cables including products with irregular surfaces

## DOK 1

### APPLICATIONS

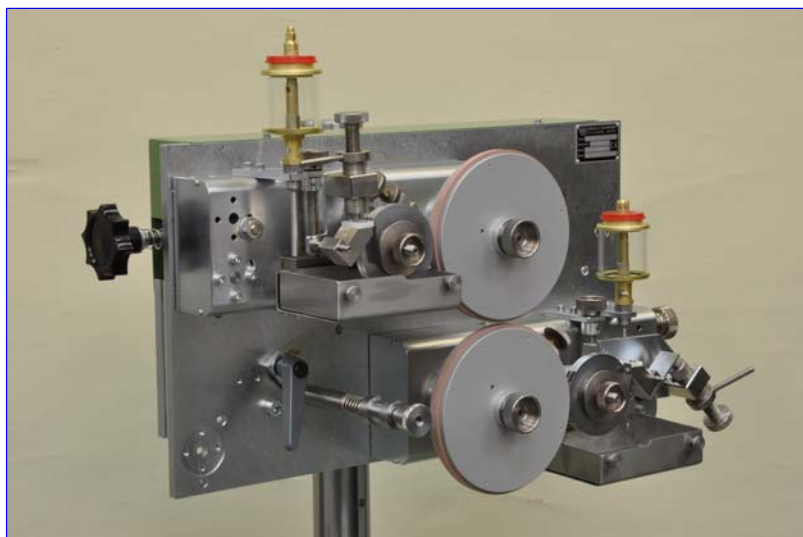
Double-sided offset printing in the extrusion line  
 Double-sided offset printing on a separate operation

### STANDARD CONFIGURATION

Marking unit with two marking stations.  
 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 system using laser engraved printing discs and rubber faced transfer rolls.  
 Transfer rolls synchronized and phase-adjustable during operation for ring marking or spiral striping  
 Easy to set up and operate.  
 Printing discs and transfer rolls 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).  
 Two DOK 1 printing heads can be coupled for two-color marking



### SPECIFICATIONS

Max. marking speed:  
 approx. 100 m/minute  
 Product diameter:  
 1 to 10 mm  
 Printing disc diameter:  
 80 mm

### VERSIONS

DOK 1 V for vertical printing  
 DOK 1 H for horizontal printing

## 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.