

## HIGH-PERFORMANCE GRAVURE PRINTING MACHINE WITH ONE PRINTING STATION FOR MARKING HOT CABLE INSULATION

- Marking of text and numbers
- Print Wheel Drive up to and above 1200m/min
- Ink supply system for use with original ink containers

### KS 42 C

#### APPLICATIONS

Marking cable within the extrusion line.



#### STANDARD CONFIGURATION

Frame with support column and height adjustment crank mechanism.  
 Marking unit with synchronized drive for one printing disc.  
 Diaphragm pump and ink suction pipe for use with original containers supplied by ink manufacturers.  
 1 set of dedicated ink wiper and guide roller matching the specified printing disc.  
 Complete accessories kit without printing discs.



#### SPECIFICATIONS

Max. printing speed:  
 1200 m/minute and above  
 Cable diameter: 1 mm to 24mm  
 (up to 80 mm with option G)  
 Printing discs:  
 86 mm in diameter, flat or concave rim

#### FEATURES

Rugged, virtually maintenance-free AC drive.  
 Incremental tachometer and reference sensor mounted on the printing disc shaft provide exceptionally accurate synchronization.  
 Automatically synchronized stroboscope of extremely high light efficiency allows proper inspection even at slow marking speeds.  
 Electronically synchronized printing disc drive.  
 Integrated control electronics.  
 Integrated ink supply system for use with original ink containers.  
 Quick and easy color changing.  
 Suitable for printing discs with flat or concave rim matching the cable diameter.



#### RECOMMENDABLE OPTIONAL DEVICE:

WNB – Mist unit for the application of fine water dust for pre-cooling of the hot wire immediately after the extruder. Applies a fine water layer to the wire surface that evaporates before the wire enters the printer. Reduces the wire surface temperature and avoids the hot plastic material sticking on the print wheel. Replaces pre-cooling trough, air wipes and vacuum device. No need of relatively extensive and at higher speeds insufficiently working air blowers. – see leaflet WNB

## Options and Accessories

### Stroboscope. Option B

Automatically synchronized flashing stroboscope for monitoring the quality of printed marks. High quality finish with tight and resistant to solvent metal casing.



### Video Printquality Supervision System

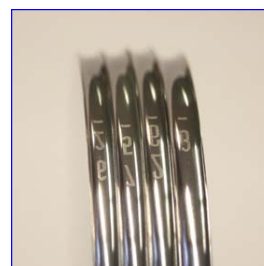
Medek & Schörner also offers a **video system for monitoring the print quality** of fast-running cable printing machines, e.g. allowing real-time inspection for bad quality and/or missing prints. See leaflet VQS/VST



### Printing Discs

Printing discs are available with any combination of numbers, letters, or other characters (specify when ordering).

All printing discs are 86 mm in diameter, with a 12.7-mm (1/2") center hole.



### Ink Wipers, Guide Rollers

The ink wipers and guide rollers required for the specified printing discs are supplied with each KS Series marker. For marking cables of different diameters, you will need one set of appropriate ink wipers and guide rollers for each cable gauge. We recommend to order these along with the printing discs.

### Doctor Blades

New machines or ink wipers are supplied with a set of doctor blades of the appropriate size.

However, we recommend to keep several replacement doctor blades for each type of printing disc in use. Doctor blades can be sharpened several times.



### Marking Inks

We recommend inks of a viscosity of approx. 40 to 70 seconds (as measured with a DIN 4-mm measurement cup) containing low to medium volatility solvents to prevent premature pigment sedimentation on the printing discs.

**MEDEK & SCHÖRNER GMBH**  
Cable Marking Systems

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