

## RING MARKER FOR MEDIUM SPEEDS

- Ring marking at speeds up to 1200 m/min
- Synchronized with the line speed
- Tandem head versions available for quick change of ring colour or ring spacing on the fly
- Reliable and robust

## RS 70

### FEATURES

Rugged, virtually maintenance-free AC drive.

Marking drums run absolutely vibration-free, with no control variations.

Ink paths contain no rotating gaskets.

Height-adjustable marking system can be easily engaged and disengaged without interfering with the extrusion process.

Ring marking by a pair of rotating drums with high-precision ink nozzles. Interchangeable marking drums for easy changing of ring patterns.

Marking drums for standard and custom ring patterns available.

Automatically synchronised with the wire speed by means of a 0-10 V DC signal output from the extrusion line control

No rotating gaskets in the marking assembly.

Simple installation with no changes to the extrusion line required.

Maximum marking speed does not depend on ring spacing.

Dedicated replaceable drawer-type ink tanks allow quick color change.

Available with gear pump or diaphragm pump (for water based inks).

Two-stage ink filter system prevents clogging of ink nozzles.

Built-in ink cooler.

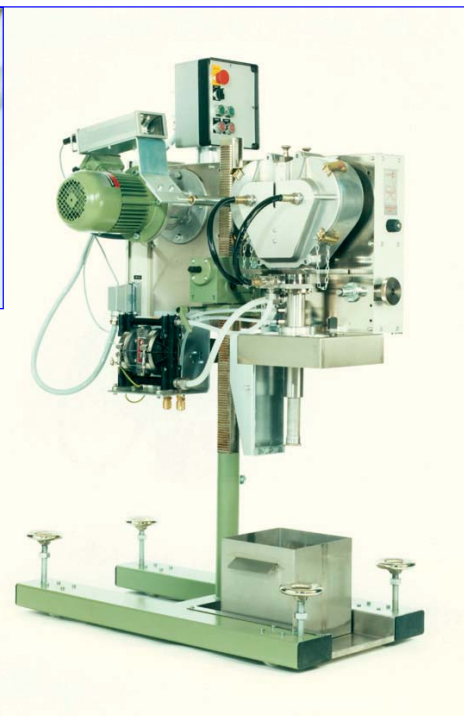
Ink viscosity can be measured and adjusted during operation. Requires extremely little space between extruder and take-up.

Automatically synchronized flashing stroboscope for monitoring ring quality and setting up marking parameters

### APPLICATIONS

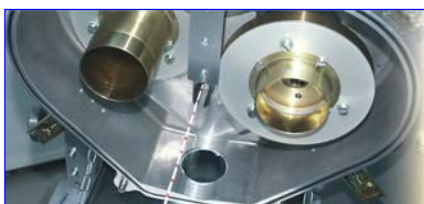
Ring marking system for marking hot telephone and automotive wire insulation with colored rings.

The RS 70 has been designed for use immediately after the extruder, **at medium production speeds up to 1200 m/min**



### SPECIFICATIONS

- Max. marking speed: 1200 m/minute
- Max. wire outside diameter: 3 mm (special version for up to 5 mm)



## Versions

The four versions of the RS 70 ring marker provide a custom solution for almost every application:



### Single head marker RS 70

Production speeds depending on insulation material:

PE: up to 800 m/minute

PVC: up to 1200 m/minute

### Dual-head machine for simultaneous ring marking in two colors. 2 x RS 70

Same as RS 70, except with two marking assemblies mechanically coupled by a phase adjustment mechanism.

Tandem system allowing ring color and/or spacing to be changed on the fly.

### RS 70 T

Tandem system for two-color ring marking. In single-color mode, ring color and/or spacing can be changed on the fly.

### RS 70 T SYN

Complete system, ready to operate. Same as RS 70 T, except with phase locked electronic synchronizer for the two marking assemblies allowing ring marking in two colors.

## Options and accessories

### Automatic viscosity control for marking inks. Option V

Required for high marking speeds. A rotating sensor causes thinner or thickening agent to be added when the viscosity deviates from a preset value.

### Ink level sensor and indicator system for ink tanks. Option LD

### Ink flow sensor and indicator system. Option FW

Triggers a warning signal as the ink flow deviates by an adjustable amount from the preset value.



### Marking Drums

easily replaceable pairs of marking drums for use as spares for supplied marking drums or for changing the ring spacing or pattern.

Standard ring patterns include single or double rings every 17 mm; double rings every 34 mm; one, two, three, or four rings every 60 mm, etc.

Marking drums for custom ring patterns available.



### Recommended Inks

RS Series ring markers should only be used with solvents and inks released by the manufacturer for the insulation material to be marked. Ink viscosity should be approx. 12 to 13 seconds (measured with a DIN test cup with 4-mm outlet, equivalent to approx. 23 seconds measured with a 3-mm test cup).

In order to prevent pigment sedimentation in the ink tubes and marking drums, be sure to use extremely fine-pigmented inks only.

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