

HIGH SPEED RING MARKER

- Ring marking at speeds up to 2500 m/min
- Synchronized with the line speed
- Tandem head versions available for quick change of ring colour or ring spacing on the fly

RS 707

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 rotating drum with high-precision ink nozzles.

Exceptionally crisp marking even at three times the speed of conventional equipment.

Simple installation with no changes to the extrusion line required.

Easy to set up and operate.

Rugged, reliable single-drum marking assembly.

No rotating gaskets in the marking assembly.

Interchangeable marking drums for easy changing of ring spacing and width.

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

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

Remote tacho generator and thyristor inverter ensure accurate synchronization of marking drums to the wire. (optional)

Slight batch-to-batch variations in ink quality require no readjustments.

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

Built-in ink cooler.

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

Ink viscosity can be measured and adjusted during operation.

Extremely narrow (requires only 300 mm between extruder and take-up).

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



SPECIFICATIONS

Max. marking speed:

2500 m/minute

Max. wire outside diameter: 3 mm

APPLICATIONS

Ring marking system for marking hot telephone and hookup wire insulation with colored rings at high production speeds up to 2500 m/min. The RS 707 has been designed for use within advanced extrusion plants, immediately after the extruder.



Versions

Available in three different versions, the RS 707 ring marker provides the optimum solution for most high-speed marking applications:



Single head marker RS 707

Suitable for marking speeds of up to 2500 m/minute.

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

RS 707 T

The ink tank, marking drum (for different ring spacing), or both may be exchanged on one marking system while the other continues operating. You can then switch over without stopping the extrusion line.

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

RS 707 T SYN

Complete system, ready to operate. Same as RS 707 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 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.