

SIGNOMAT

Sinter machine

**Permanent label print
on cables and wires**



Fig. 1 SIGNOMAT view 1

SIGNOMAT

- **Sinter machine for cables and wires**

Whether used nearby railways, in telecommunications, or power supply, cables almost always run underground. When they are dug out years later for service or maintenance work engineers want to easily identify what cable they are handling. In order to permanently identify the label, the SIGNOMAT prints on the cables and wires during production while they are still warm. This enables the machine to sinter the label.

Functionality:

This system allows highly resistant cable printing without affecting the mechanical or electrical properties of the material. The marking is visible, palpable and absolutely abrasion proof, what is useful e. g. in shafts where bad lighting conditions are prevailing: the form of the signs can be felt thanks to the surface roughness of the used sinter powder. The resistance to abrasion, weather conditions, humidity and aggressive soil gives the Signomat printer undoubtedly advantages opposite the ink jet printing system.

Unique process:

The marking is performed directly on the hot plastics, i. e. just after extrusion. Two marking wheels put the synthetic powder onto the extruded material at the distance requested and in compliance with the forms required. The sinter powder unites tightly with the surface of the extruded material. No additional heating is needed since the residual heat of the plastic material is used to melt powder and sheath (between 150° and 180°C).

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Fig. 2 SIGNOMAT view 2

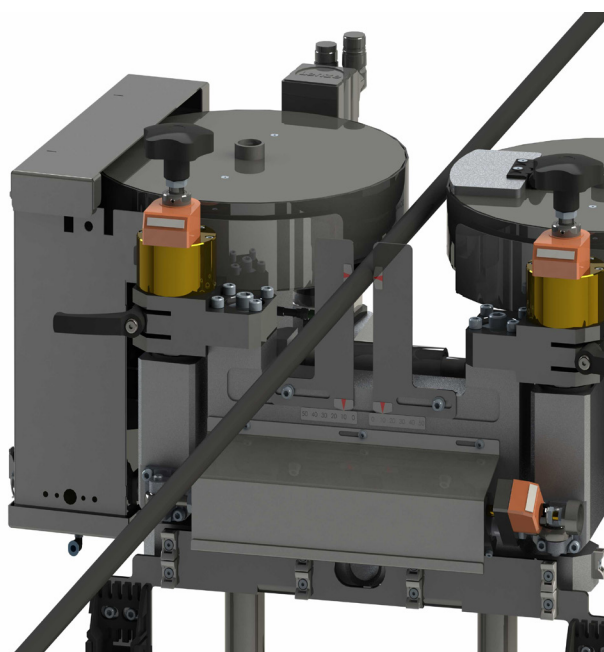


Fig. 3 SIGNOMAT centering device

Technical data	SIGNOMAT
Part No.	8501.000
Production speed	3 - 100 m / min
Range of Ø to be marked	6 - 100 mm
Circumference of marking wheel	1000 mm
Circumference of guiding wheel	1000 mm
Metering distance	1000 mm
Working height	950 - 1200 mm
Precision	< 1%
Marking powder consumption	approx. 250 g / km
Connected load	230 / 400 V
Connection power	approx. 1,0 kW
Line frequency	50 Hz
Electrical connection (CEE-connector plug)	CEE 16 A
Compressed air: Pressure	6 bar
Compressed air connection (quick release)	1 / 2 Zoll
L x W x H	approx. 800 x 800 x 1300 mm
Weight	approx. 300 kg
Colour	RAL 7005 mouse grey