



CUTTING AND STRIPPING MACHINE SAM1

PROCESSING OF WIRES WITH BIG CROSS SECTIONS

Adjustable parameters

The SAM1 was designed as a small and efficient bench-top wire processing machine. The machine is equipped with a microprocessor control and the data such as cutting and stripping length, wire size, speed etc. is entered. The wire feed speed, zero cut, wire marking positions and wire length calibration can also be entered.

The unit of length measuring as well as the operator language can easily be selected.

High production rate

The 4-blade cutting head allows for simultaneous stripping of the leading and trailing end of the wire. As a result, the production rate can be increased by more than 1000 pcs/hr (in comparison to the 1-blade mode).

In addition, wires with an insulation length of approx. 18 mm can be stripped as a standard.

Simple change-over

The roller and drive belt pressure can be adjusted independently according to the material being processed. The guide tubes can be changed within seconds and no tools are required.

Wide range of applications

The machine is suited for automatic cutting and stripping of single wire up to 6 mm² as well as round cable with a maximum outside diameter of 6 mm.

The machine can handle different insulation material such as PVC, Teflon and Silicon.

With an optionally available guide and blade kit, flat ribbon cable with a maximum width of 8 mm can also be processed.

Conform with the machinery directive

The crimping machine fully complies with all CE and EMC machine guidelines (mechanical and electrical safety, electromagnetic compatibility).



TECHNICAL DATA

Processable wire

Wires	Single wire
	Cross sections: 0,02 - 6 mm ²
	Cable outer diameter: Max. 6 mm
	Fine braid, solid wire (1 mm ²), copper or other materials
	Insulation: Teflon, PVC, Silicone, etc.

Wire prefeeding

Feeding	Roller and belt drive
Wire centering	Manual adjustable
Roll pressure	Manual adjustable

Processing

Cutting lengths	25 mm - 999 m (< 25 mm in short cut mode)
Stripping length	1 mm - 130 mm (on one or both sides, full or semi strip)

Control

Display	Touchscreen
Memory	30 items local

Supplies and interfaces

Electric supply	100-230 VAC, 50/60 Hz
Compressed air	6 bar
Network	RJ-45
Interfaces	RS232, Ethernet, wire de-reeler, hot stamp printer, inkjet printer

Dimensions and weight

Length x Width x Height	470 x 395 x 370 mm [1]
Weight	30 kg [1]

[1] Approximate indication for basic equipment.



FULLY AUTOMATIC MACHINE

Turn the SAM1 into a highly productive fully automatic wire processing system. The wire prefeeder ZFG50 consisting of a dereeler and wire accumulator provides for a virtually drag free presentation of the wire to the wire processing machine.

The cutting and stripping machine SAM1 is ergonomically and user-friendly placed on a processing table. Also attached to the table is the pivoting wire coiler CD-11 which sequentially loads wire in two bowls and they can be unloaded during production.



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