



Illustrations are exemplary and may show optional equipment.
Subject to errors and changes.

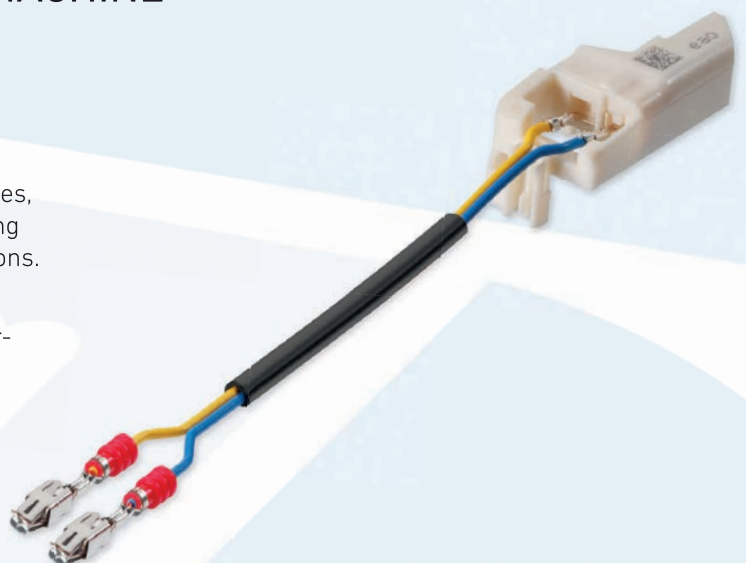
SpeedLine 33 INDIVIDUAL

FULLY AUTOMATIC CRIMPING MACHINE FOR COMPLEX APPLICATIONS

Machine for High Productivity

With the SpeedLine fully automatic crimping machines, Schäfer offers innovative swing-arm cable processing machines for high productivity and diverse applications.

The platform was developed for different machine variants to provide maximum flexibility for customer-specific requirements. Minimal machine downtime, ergonomic working heights, and the safety concept were the main focus.





FULLY AUTOMATIC CRIMPING MACHINE FOR COMPLEX APPLICATIONS

Custom Configuration

This fully automatic crimping machine offers up to six stations for complex cable productions. The machine configuration can be individually adapted from a range of optional components and modules. The high-quality components and robust design secure maximum precision and durability.

Production in Highest Quality

To ensure product quality, Schäfer offers optional extensions. The crimp force monitoring reliably evaluates the quality of crimp connections. The conductor quality monitoring reports defective parts due to faulty stripping, and the optical cable quality monitoring inspects the produced cables. This ensures that defective cables cannot be used in further production.

Conform with the Machinery Directive

The crimping machine for production of high quality connections in terminal and wire processing fully complies with the European directives regarding mechanical and electrical safety as well as electromagnetic compatibility.



HMI SOFTWARE FOR WIRE PROCESSING MACHINES

Intuitive and safe Operating Concept

The WireStar HMI software supports optimum process sequences through its user-friendly operator interface and constant data availability from previous productions. Interaction via the modern user interface is done via a touchscreen and offers a safe handling of the machine.

WireStar's excellent networkability contributes to central process coordination and supports through extensive and configurable database management. The integrated networking with Schäfer Connect facilitates process coordination with the operator's planning system for resources, for example the ERP system.



MACHINE EQUIPMENT

Base Equipment

- Crimping stations
- Base frame including control cabinet
- Station tables and operating desk
- Wire straightener and swivel arms
- Programmable wire feeder
- Programmable cut and strip module
- Blade assembly and bad part cutter
- Pneumatic machine guard
- PC with touch screen display
- Machine software WireStar
- Networking and interfacing functions

Optional Extensions

- Seal station
- Tinning station
- Double wire straightener
- Crimp height adjustment
- Press height adjustment
- Wire stacking module
- Wire doubler
- Wire spreader
- Wire twister
- Round cable straightener
- Carrier strip chopper
- Applicator shuttle
- Crimp force monitoring
- Cable quality monitoring
- Conductor quality monitoring
- Plug feeder

TECHNICAL DATA

Processable materials	
Wire	Single and multi-core wires [1]
	Cross section: 0.08 mm ² - 8 mm ² [1]
	Insulation: Teflon, PVC, etc.
Processing	
Wire feeding	Belt drive with up to 10 m/s
Cut length	30 mm - 99 m [1]
Production rate	> 5.000 pcs/h by 50 mm wire length (Crimp/Crimp) [1]
Performance and geometry	
Drive	Servo motors
Number of stations	Up to 6 stations
Controls	
Software	WireStar
Display	21" Touchscreen
Supplies and interfaces	
Power supply	3x (208-480 V), 50/60 Hz, 3,5 kVA
Compressed air	6 bar
Interfaces	RS232 Ethernet
Dimensions and weight	
Width x Depth x Height	3350 x 1450 x 1800 mm [2]
Weight	1050 kg [2]

[1] Depending on the configuration of wire and terminal.

[2] Approximate indication for basic equipment.

CONTACT US

Schäfer Werkzeug- und Sondermaschinenbau GmbH

Dr.-Alfred-Weckesser-Straße 6
76669 Bad Schönborn
Germany

Phone: +49 7253 9421 0

E-Mail: info@schaefer.biz

FURTHER INFORMATION

WWW.SCHAEFER.BIZ

