

SC15 crimping machine



Description:

The SC 15 is used to strip and crimp different solid and stranded cables with or without insulation in a machine cycle as required. The machine cycle is operated via cam control and a pneumatic system. The cam control allows high crimping force and excellent repeat accuracy. The pneumatic control enables customised machine settings for the respective product. The tool holder of the machine is designed for a three-part interchangeable tool. When a non-specified crimping connection is recognised by the crimp force monitoring function the cable clamp remains closed. The clamp then only reopens by pressing the reset button on the machine (CQM). The conditions for starting and the complete cycle sequence can be monitored on the LED display on the front of the machine. When the protective door is opened in automatic mode, the electrical and pneumatic power supply is interrupted by the emergency stop function. The machine is designed to be user-friendly. There are interfaces to enable the remote diagnosis of parameters.

Specifications:

- Electrical connection: 230 V AC
50/60 Hz, other voltages available
on request
- Pneumatic system: 6 bar (600 kPa)
- Repeat accuracy:
Crimp height 0.01 mm
Stripping length 0.1 mm
- Dimensions: width 474 mm /
height 730 mm / depth 715 mm
- Weight 70kg with reel
- Sound pressure level: < 75 dB (A)

Processed contacts:

Sidefeed contacts with 1 or 2 carrier strips up to a material thickness of max. 0.5 mm

Features and special points:

- Automatic bare wire recognition during the crimping process to deactivate the stripping and suction function and to switch the crimp quality monitoring (CQM) at this level.
- Crimp force monitoring with statistical analysis (option).
- Individual parameters set using software.
- Testing and setting of separate functions in creep mode.
- Cable cross-section range: 0.09 to 2.0 mm².
- Insulation diameter: 0.5 mm to 3.6 mm.
- Stripping length: 2 mm to 6 mm.
- Insulation stripping length: 12 mm and smaller, depending on the number of cables.
- Cable insert depth: 10 mm.
- Flexible LED worklight.
- Easily viewable work area.
- Sensor-controlled paper winder available as option to wind the interleaving paper and enable paper-free preparation of the contact strip.
- Quick-change system for the applicator (option).
- Validation option of the CQM via weights and software.
- Remote servicing using remote service box (wi-fi or LTE / option).