



CrimpLine 1550-ST EXTENDED

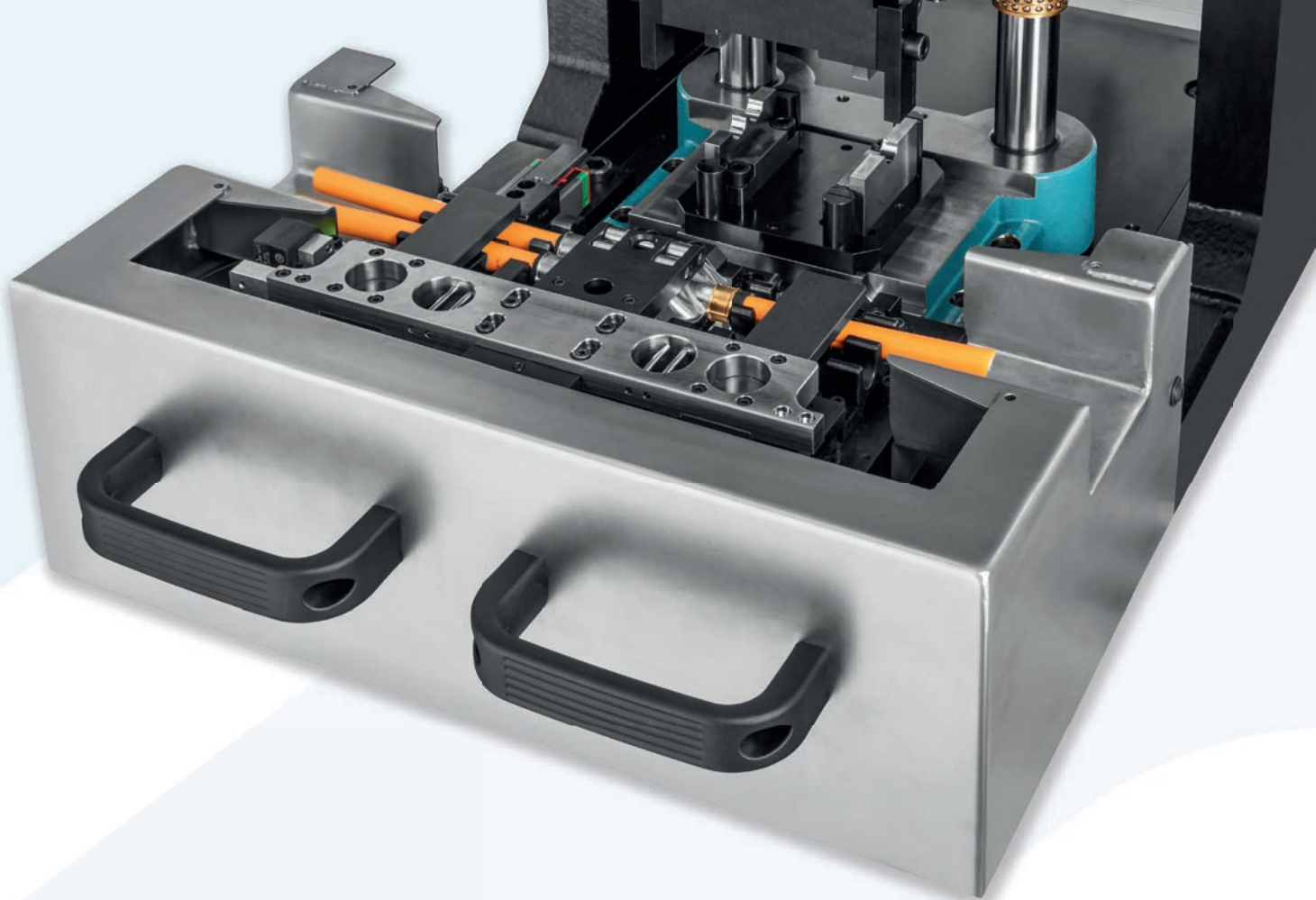
CRIMPING MACHINE FOR PROCESSING OF HIGH VOLTAGE CABLES

Production of H- and Y-connectors

The high-performance eccentric press is designed for the production of high-voltage connectors for the highest quality requirements in electromobility.

Pre-assembled components are inserted into the machines by the operator and the crimping process is started automatically. The robust machine design enables high durability and reproducibility of the crimp connections.





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Quality Assurance Functions

Optical control functions check the completeness of the components inserted in the sliding table and thus support quality assurance.

Crimp force monitoring reliably detects faulty crimps in order to sort out the cables concerned and not use them in the further process.

Wide Range of Use Options

A high degree of flexibility is made possible by the simple changeover to another product to be processed. The special sliding table is designed for the production H- and Y-connectors of the HPS40 high-voltage system, so that only wear parts need to be changed.

The ideal speed for the crimping process can be individually adjusted according to the existing terminal properties.

High Safety for the Operator

The safety of the operator during processing of the crimping machine is ensured by a monitored safety device. Removal of protective covers interrupts the electrical safety circuit and the machine is stopped.

For safe test operation after changeover and after maintenance work, the machine is equipped with the proven handwheel.

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.

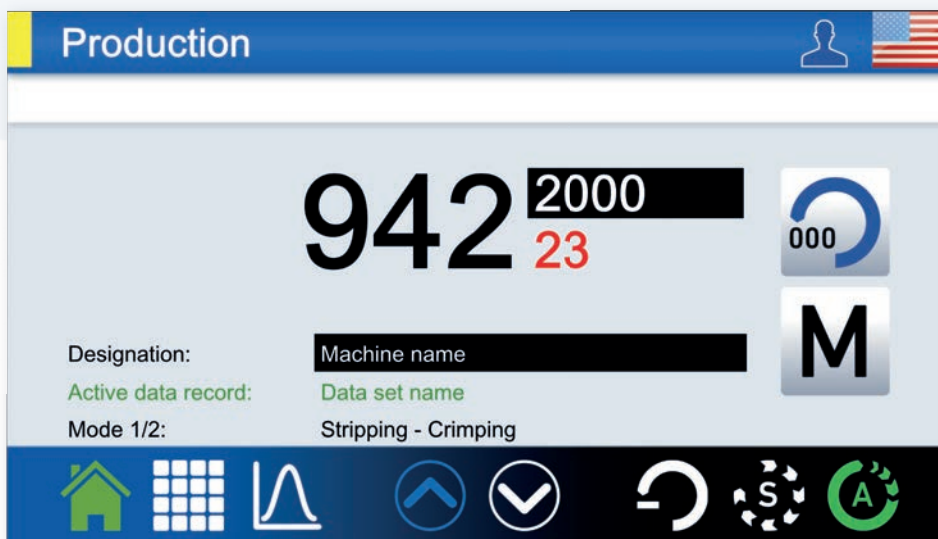


MODERN OPERATING INTERFACE

Machine Control Software

The touch screen control has an intuitive user interface for easy and safe operation of the crimping press in various languages.

Selecting different user roles and operating modes as well as machine networking functions provides flexible and modern process sequences.



EQUIPMENT OF THE MACHINE

Base Equipment

- Crimping machine
- Machine cover
- Sliding table for two distributors types
- Crimp force monitoring
- Optical control of the crimp sleeves

Optional Extensions

- Foot switch
- Networking module
- Remote service module
- Optical control of insulators
- Optical control of the fixing tapes



TECHNICAL DATA

Processable materials

Wire	Two-core sheathed cables
	Wire cross section: 2.5 mm ² , 4.0 mm ² or 6.0 mm ² [1]
	Cable outer diameter: 12 mm [1]
Terminals	Crimping sleeves HPS40
Connectors	H- and Y-distributors HPS40

Performance and geometry

Drive	4 kW three-phase motor
Motor speed	1420 Rpm
Pressing force	150 kN
Stroke	50 mm
Closing height	Max. 204.8 mm

Controls

HMI	STI 2015
Display	Touchscreen

Supplies and interfaces

Power supply	3x 400 V, 50/60 Hz
Compressed air	6 bar
Network	RJ-45

Dimensions and weight

Width x Depth x Height	1100 x 1000 x 1800 mm [2]
Weight	720 kg [2]

[1] depending on material and terminal geometry

[2] approximate specification in basic equipment

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FURTHER INFORMATION

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