DATASHEET

STCS - **evo500TS**

Ref: **14-01-0024**

Shrinking Tube Control System

mecalbi
ENHANCE INNOVATING

The STCS-evo500TS is a heat shrink system, based on infrared technology.

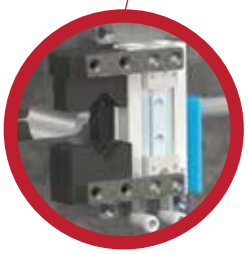
It's designed for workbench applications and can process one part at a time.

The system is based on a touchscreen display and offers network capability.

By adding optional tools, besides normal splices, the STCS-evo500TS can work on end splices, ring terminals and other special applications.

New and improved interface based on Touchscreen technology

Several new generation communication features as Ethernet, USB, HDMI, to connect external displays, Wi-Fi, USB sticks, etc



Optional SDD (Splice Diameter Detection) System

Compact machine for space optimization

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DATASHEET STCS - evo500TS

TECHNICAL CHARACTERISTICS

WORKING TEMPERATURE	
Minimum	250 [ºC]
Maximum	550 [ºC]
DIMENSIONS	
Length	496 [mm]
Width	293 [mm]
Height	255 [mm]
Weight	16,5 [kg]
POWER SUPPLY/CONSUMPTION	
Supply	230 [V] @ 50Hz
Consumption	500 mA
Rated Frequency	500 mA to 3 A (Max.700W)
CONNECTIONS	
Compressed Air	Quick Hold Socket – Ø 8 mm
Air Pressure	Min. 5 Bar; Max. 7 Bar; Rec. 6 Bar
Electrical Grid	1 IEC Standard Male Socket (Detachable Power Supply Cord)
Barcode Reader	USB
Programming	Touchscreen, Barcode Reader, External Device
Interface	Touchscreen, Buzzer and LED
SHRINKING CHAMBER	
Shrinking Chamber	Ø32x77 [mm]
Minimum Cable Length	227 [mm]
Tube Diameter Max.	20 [mm]
Tube Length Max.	75 [mm]
CALIBRATION	
Calibration Probe	ref.: 06-01-0278

OPERATION

The shrinking process begins with the operator putting the pre-prepared assembly (cables with the sleeve covering the welded area) in the clamps of the machine. During the rest of the process the cable remains unmovable.

The machine can be equipped with an SDD System that, when used, measures the cable diameter and automatically adjusts the shrinking parameters.

To start the operation, the operator presses the two green side buttons, which will move the oven forward onto the assembly.

After the shrinking process is completed, the oven automatically returns to its original position and the assembly is ejected to the front of the machine.

FEATURES

- Adjustable parameters: process temperature, shrinking time, etc;
- Two different operating modes: M1 with temperature and shrinking time control; and M2 mode with pre-programmed references (999 in total);
- Additional operating mode (M3) for splice diameter detection (SDD System) and automatic parameters' detection;
- The pre-programming of references can be done manually, using a PC with STCS-RCT software (reads Excel™ files) or using a USB stick;
- The selection of references can be done automatically using a barcode reader or manually on the Touchscreen;
- Easy firmware upgrade using a USB stick;
- Use of labels for each shrinking time inside a reference;
- Cooling system;
- Manual and automatic calibration;
- Programming mode password protected;
- Special maintenance mode for hardware debug;
- Equipped with the external temperature probe connection for temperature reading and offset adjustment;
- Automatic cool-down cycle to extend the lifecycle of components;
- Partial and global cycle counter;
- Working time counter;
- Network communication;
- HDMI port to mirror the system's display;
- Interchangeable system language including: English, Portuguese, French and Spanish (others on demand).

OPTIONS

End Splice Tool
Ref: 06-01-0231

Ring Terminal Tool
Ref: 06-01-0266

CAN Bus Tool (Normal Splice)
Ref: 06-01-0175

CAN Bus Tool (End Splice)
Ref: 06-01-0176

Cooling System
Ref: 06-01-0229

Cable tray
Ref: 06-02-0256

Pneumatic Clamps
Ref: 06-01-0268

HDMI Port
Ref: 06-01-0233

SDD System
Ref: 06-01-0230