DATASHEET

STCS - CS14

Ref: **14-01-0025**

mecalbi
ENHANCE INNOVATING

The STCS-CS14 is a heat shrink system designed as a short conveyor based on infrared resistors.

It's made for workbench applications and can process several parts at the same time.

This compact and lightweight machine is ideal for large production requirements since the output is only determined by the pace of the operator.

Shrinking Tube Control System

New and improved interface based on Touchscreen technology

New state-of-the-art features like Ethernet for network capability and USB for memory stick, Wi-Fi, etc.

The system can be equipped also with cooling, cable counter, auxiliary centering system, custom-made workbench and cable support system for long splices

Compact and lightweight machine for space optimization

DATASHEET STCS - **CS14**

TECHNICAL CHARACTERISTICS

WORKING TEMPERATURE

Minimum	300 [ºC]
Maximum	550 [ºC]

DIMENSIONS

Length	775 [mm]
Width	214 [mm]
Height	400 [mm]
Weight	31 [kg]

POWER SUPPLY/CONSUMPTION

Supply	230 [V] @ 50Hz
Consumption	500 mA
Rated Frequency	1 A to 9 A (Max. 2000W)

CONNECTIONS

Compressed Air	Quick Hold Socket – Ø 6 mm
Air Pressure	Min. 5 Bar; Max. 7 Bar; Rec. 6 Bar
Electrical Grid	1 IEC Socket
Barcode Reader	USB
Programming	Touchscreen, Barcode Reader, External Device
Interface	Touchscreen, Buzzer and LED

SHRINKING CHAMBER

Shrinking Chamber	220x70x30 [mm]

ADDITIONAL CHARACTERISTICS

Minimum Cable Length	215 [mm]
Tube Diameter Max.	25 [mm]
Tube Length Max.	70 [mm]
Cable Cross Section Max.	10 [mm]

OPERATION

The system has a conveyor with two sets of timing belts that grips the wires with the sleeves and takes them inside an infrared oven for the shrinking process. The assemblies are then carried through a cooling zone and deposited in a collection bin.

The machine can also be used with end-splices or ring terminal assemblies with the help of custom tools.

OPTION The machine can be supplied with an optional cooling system, located at the end of the conveyor that cools down the assemblies and prevents them from sticking to each other.

FEATURES

- Adjustable parameters: process temperature, shrinking time, etc;
- Two different operating modes: M1 with temperature and time control; and M2 mode with pre-programmed references (999 in total);
- 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 and information about additional glue for each shrinking time inside a reference;
- Automatic conveyor's speed adjustment, in function of the programmed shrinking time;
- Cooling system; **OPTION**
- Auxiliary centering system; **OPTION**
- Cable counter; **OPTION**
- Custom-made workbench with long cables support system; **OPTION**
- 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; **OPTION**
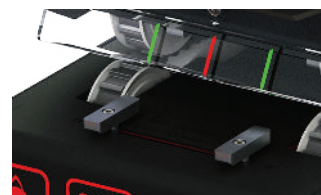- Interchangeable system language including: English, Portuguese, French and Spanish (others on demand).

OPTIONS

Auxiliary Centering System Ref: 06-01-0232

Cooling System Ref: 06-01-0235

Cable Counter Ref: 06-01-0236

Cable Support System Ref: 06-01-0237

Workbench Ref: 06-01-0234

Ethernet Port Ref: 06-01-0238

End Splice Tool Ref: 06-01-0125

Ring Terminal Tool Ref: 06-01-0106

ISO 9001 BUREAU VERITAS Certification · PME líder '14 · excelência '14