

DATASHEET

STCS

evo500TS



> Media for this machine

Reference of the product

14-01-0024

Technology

 Infrared

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.

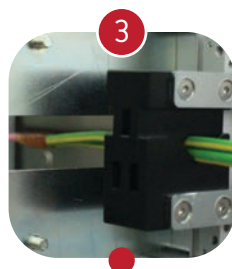
By adding optional tools, besides normal splices, the STCS-evo500TS can work on end splices, ring terminals and other special applications.



New and improved interface based on Touchscreen technology



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



Optional SDD (Splice Diameter Detection) System



Compact machine for space optimization



MECALBI
Engineering Solutions, Lda.
Portugal - USA - México
www.mecalbi.com
www.youtube.com/mecalbi

MECALBI Operations Center Portugal
Zona Industrial de Castelo Branco, Rua J Lote N14, Módulo A
6000-459 Castelo Branco - Portugal
T. +351 272 325 264
E. comercial@mecalbi.com

Centro de Operaciones MECALBI México
Avenida Reforma, #3131 - 5C, Colonia Reforma,
CP. 32380 Cd. Juárez - Chihuahua, México
T. +52 (1) 656 611 6477
E. sales.mexico@mecalbi.mx

MECALBI USA, LLC
12709 Tierra Jezrel Lane,
El Paso, TX 79938, USA
E. sales.usa@mecalbi.com

Technical Data

WORKING TEMPERATURE

Minimum	250 [°C]
Maximum	550 [°C]

DIMENSIONS

Length	496 [mm]
Width	293 [mm]
Height	255 [mm]
Weight	16,5 [kg]

POWER SUPPLY/CONSUMPTION

Supply	230 [V] @ 50Hz
Consumption	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]
-------------------	-------------

Cable Length [Min]	227 [mm]
--------------------	----------

Shrinking Tube Diameter [Max]	20 [mm]
-------------------------------	---------

Shrinking Tube Length [Max]	75 [mm]
-----------------------------	---------

CALIBRATION

Calibration Probe	ref.: 06-01-0278
-------------------	------------------

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 setting;
- 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;
- Communication with ultrasonic welding machines;
- 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: 26-23-0010



- **CAN tool (normal splice)**
Ref: 26-23-0014

- **Ring terminal tool**
Ref: 26-23-0021

- **SDD system**
Ref: 06-01-0230

- **CAN tool (end splice)**
Ref: 26-23-0013

- **Cooling system**
Ref: 06-01-0229

- **HDMI port**
Ref: 06-01-0233