

# DATASHEET

# STCS CS19



> Media for this machine

Reference of the product  
14-01-0007

Technology  
 Infrared

The STCS-CS19 is a machine for processing heat shrink tubes, based on infrared resistors. It's designed for workbench applications and can process several parts at the same time.

It has several operating modes, including the use of references which can be selected using barcode readers.

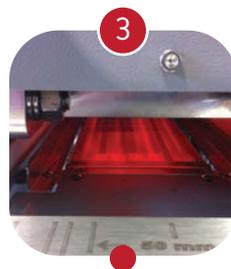
Once the reference is selected, the machine automatically adjusts all parameters to the pre-programmed values, including shrinking time (conveyor's speed).



Use of references, that can be selected manually or using barcode readers, to automatically adjust the parameters and allow seamless transitions between batches of assemblies



Automatic conveyor's speed adjustment based on the programmed shrinking time



New quartz infrared resistors with glass protection, for increase durability



Optional cooling system, based on compressed air amplifiers, to cool down the splices after processing and prevent the cables from sticking



**MECALBI**  
Engineering Solutions, Lda.  
Portugal - USA - México  
[www.mecalbi.com](http://www.mecalbi.com)  
[www.youtube.com/mecalbi](http://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](mailto: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](mailto:sales.mexico@mecalbi.mx)

**MECALBI USA, LLC**  
12709 Tierra Jezrel Lane,  
El Paso, TX 79938, USA  
E. [sales.usa@mecalbi.com](mailto:sales.usa@mecalbi.com)

## Technical Data

### WORKING TEMPERATURE

Minimum	300 [°C]
Maximum	600 [°C]

### DIMENSIONS

Length	1540 [mm]
Width	284 [mm]
Height	545 [mm]
Weight	100 [kg]

### POWER SUPPLY/CONSUMPTION

Supply	230 [V] @ 50Hz
Consumption	1 [A] to 16 [A] (Max.3600W)

### CONNECTIONS

Barcode Reader	DB9 Male
Temperature Sensor	Type K Thermocouple
Power Line	1 IEC Socket
Programming	Membrane Keyboard
Interface	LCD 16x2, Buzzer and LED

### SHRINKING CHAMBER

Shrinking Chamber	95x285x40 [mm]
Resistors Power	1650 W
Cable Length [Min]	140 [mm]
Shrinking Tube Diameter [Max]	30 [mm]

### CALIBRATION

Calibration Probe	05-22-0011
-------------------	------------

## Features

- Adjustable parameters: process temperature, shrinking time, etc;
- Two different operating modes: M1 with temperature control and shrinking time; and M2 mode with pre-programmed references (100 in total);
- The pre-programming of references can be done manually or using a PC with STCS-RCT software (reads Excel™ files);
- The selection of references can be done automatically using a barcode reader or manually using either the rotating knob or the keyboard;
- Use of labels and information about additional glue for each shrinking time inside a reference;
- Automatic conveyor speed adjustment, in function of the programmed shrinking time;
- Manual and automatic calibration;
- Programming mode password protected;
- Special maintenance mode for hardware debug;
- Equipped with the external temperature probe connection for external reading and offset adjustment;
- Automatic cool-down cycle to extend the lifecycle of components;
- Partial and global cycle counter;
- Working time counter;
- Interchangeable system language, including: Portuguese, English, French and Spanish (others on demand);
- Can be supplied with a special kit for ring terminals and/or end splices.

## Options



- **Cooling system**  
Ref: 06-01-0107



- **Ring terminal tool**  
Ref: 06-01-0106



- **End splice tool**  
Ref: 06-01-0125



- **Auxiliary centering system**  
Ref: 06-01-0131