

# DATASHEET

# STCS

# CS14



> Media for this machine

Reference of the product  
14-01-0025

Technology  
 Infrared

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

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

Optional Integrated System Automatic Centering (ISAC14) for heat shrink tube position and length assurance.



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



New state-of-the-art features like Ethernet for network communication, USB, Wi-Fi, etc.



Compact and lightweight machine for space optimization



Optional ISAC14 (Integrated System Automatic Centering) for heat shrink tubing position assurance

## Technical Data

### WORKING TEMPERATURE

Min - Max [°C] / [°F] 300-600 / 572-1112

### SHRINKING TIME

Min - Max [s] 3-100

### MEASUREMENTS

WITH **ISAC14**

Width; Length; Height 214; 814; 398 / 341; 1046; 398 /  
[mm] / [in] 8,4; 32; 15,7 13,4; 41,1; 15,7

Weight [kg] / [lbs] 35 / 77,2 55 / 121

### POWER SUPPLY/CONSUMPTION

Supply 230 [V] @ 50Hz

Consumption 500 [mA] to 9 [A] (Max.2000W)

### PNEUMATIC

Supply Quick Hold Socket Ø6/Ø8 [mm]

Supply Pressure Min: 5bar; Max: 7bar; Rec: 6bar

### CONNECTIONS

Barcode Reader USB

Temperature Sensor Type K Thermocouple

Power Line 1 IEC Standard Male Socket

Programming Touchscreen, Barcode Reader, External Device

Interface Touchscreen, Buzzer and LED

### SHRINKING CHAMBER

Shrinking Chamber [mm] / [in] 220x70x30 / 8.7x2.8x1.2

Min-Max Tube Ø [mm] / [in] 0-25 / 0-1

Min-Max Tube Length [mm] / [in] 0-65 / 0-2.6

Min-Max Cable Ø [mm] / [in] 0-25 / 0-1

Min-Max Cable Length [mm] / [in] 150-∞ / 5.9-∞

### CALIBRATION

Calibration Probe ref.: 06-01-0279

### WITH **ISAC14**

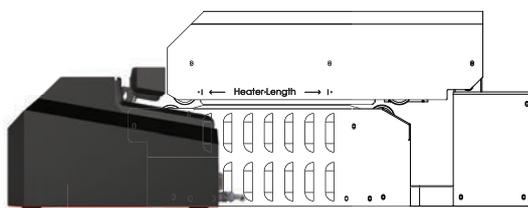
Splice Detection Length [mm] / [in] 6-22 / 0.2-0.9

Min Cable Length [mm] / [in] 300 / 11.8

## 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 or 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;
- Automatic conveyor's speed adjustment, in function of the programmed shrinking time;
- Cooling system;
- Optional automatic centering system with heat shrink tube length control; **ISAC14**
- Adjustable electrode for splice detection between 6mm and 22mm; **ISAC14**
- Cable counter;
- Custom-made workbench with long cables support 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;
- Interchangeable system language including: English, Portuguese, French and Spanish (others on demand).

## Options



- **ISAC14** Integrated System Automatic Centering  
Ref: 27-18-0002

- **Cable counter**  
Ref: 06-01-0236
- **Cooling system**  
Ref: 06-01-0235
- **Cable support system**  
Ref: 06-01-0237
- **Auxiliary centering system**  
Ref: 06-01-0232
- **Ethernet port**  
Ref: 06-01-0238
- **Workbench**  
Ref: 06-01-0234
- **End splice tool**  
Ref: 06-01-0125
- **Ring terminal tool**  
Ref: 06-01-0106