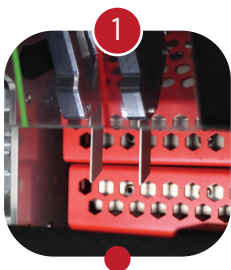# DATASHEET
STCS
RCMM

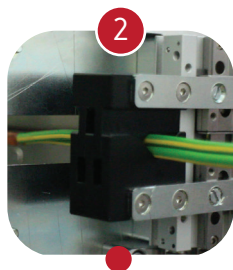Reference of the product
14-01-0047

Technology
▨ Infrared

The STCS-RCMM it's the (r)evolution from the current STCS-RCM and a big improvement in what refers to quality requirements coming from the cable harness industry.

Based on a quartz infrared oven, its main feature is the automatic centering system with offset to compensate the potential movement of heat shrink tubes during the shrinking process.
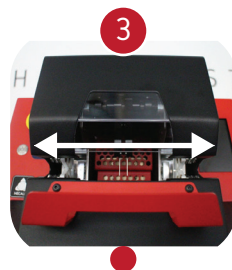
Designed with a narrower shrinking chamber, it's able to process cables with more than 235mm.

1 Automatic centering system with offset

2 Splice Diameter Detection System (SDD) for automatic loading of process parameters

3 Narrower shrinking chamber for cables with more than 235mm of length

4 Quartz infrared oven

Technical Data

WORKING TEMPERATURE	
Min - Max [ºC] / [ºF]	250-550 / 482-1022

SHRINKING TIME	
Min - Max [s]	1-100

MEASUREMENTS	
Width; Length; Height	471; 622; 350 [mm] 18,5; 24,5; 13,8 [in]
Weight [kg] / [lbs]	35 / 77,2

POWER SUPPLY/CONSUMPTION	
Supply	230 [V] @ 50Hz
Consumption	500 [mA] to 3 [A] (Max.700W)

PNEUMATIC	
Supply	Quick Hold Socket 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

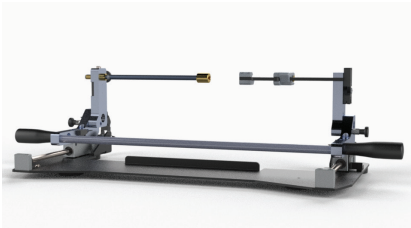| SHRINKING CHAMBER	
Shrinking Chamber [mm] / [in]	52xØ32 / 2xØ1,3
Min-Max Tube Ø [mm] / [in]	0-20 / 0-0,8
Min-Max Tube Length [mm] / [in]	20-50 / 0,8-2
Min-Max Cable Ø [mm] / [in]	1-12 / 0,04-0,5
Min-Max Cable Length [mm] / [in]	235-∞ / 9,3-∞
Splice Detection Length [mm] / [in]	11-19 / 0,43-0,75

CALIBRATION	
Calibration Probe	ref.: 05-22-0024

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);

- 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 centering system with offset for heat shrink tube position assurance;

- Detection system to validate heat shrink tube position and dimension;

- Adjustable electrode for splice detection between 11mm and 19mm;

- 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: 27-36-0001

- Vaccum CAN end splice tool
  Ref: 27-36-0003

- CAN end splice tool
  Ref: 27-36-0002