DATASHEET
STCS
PHD

The STCS-PHD is a machine for processing heat shrink tubes, based on hot air devices. It's designed for line panel applications and can process one part at a time.

The system is made by a control module for parameter definition and a hot air device for the shrinking operation.
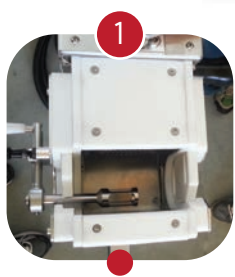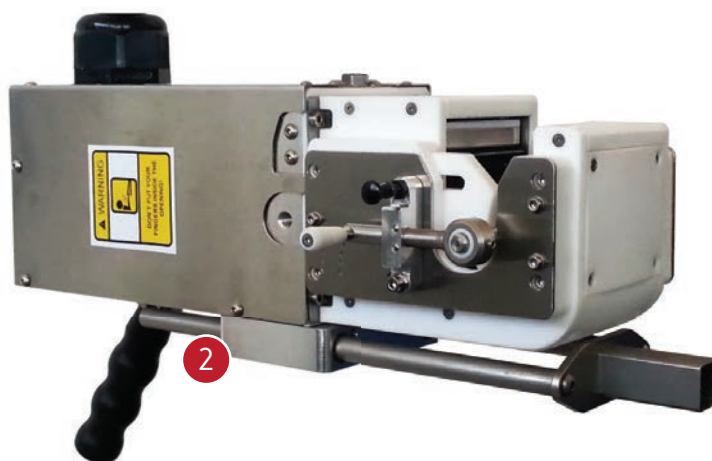
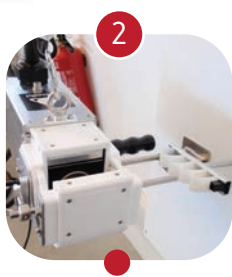It has several working configurations to easily accommodate all panel applications.

Reference of the product
14-01-0005

Technology
◎ Hot Air

1 Can be supplied with custom shrinking chambers, designed for specific applications

2 Can work vertically, horizontally, in parallel or perpendicular towards the line panel

3 Panel fixation using a suction vacuum pump or a blade system

Use of references or sequences, that can be selected manually or using barcode readers

Technical Data

WORKING TEMPERATURE

Min - Max [ºC] / [ºF]	150-350 / 302-662

SHRINKING TIME

Min - Max [s]	1-99

MEASUREMENTS

Width; Length; Height	240; 440; 190 [mm]
	9.4; 17.3; 7.5 [in]
Weight [kg] / [lbs]	6 / 13.2

POWER SUPPLY/CONSUMPTION

Supply	230 [V] @ 50Hz
Consumption	50 [mA] to 15 [A] (Max.3400W)

PNEUMATIC

Supply	Quick Hold Socket Ø10mm
Supply Pressure	Min: 5bar; Max: 6bar

CONNECTIONS

Barcode Reader	RS232
Temperature Sensor	Type K Thermocouple
Power Line	1 IEC Socket
Programming	Membrane Keyboard
Interface	LCD 16x2, Buzzer and LED

SHRINKING CHAMBER

Shrinking Chamber [mm] / [in]	65; Ø27 / 3.1; Ø1.2
Min-Max Tube Ø [mm] / [in]	0-30 / 0-1.2
Min-Max Tube Length [mm] / [in]	0-80 / 0-3.1
Min-Max Cable Ø [mm] / [in]	0-30 / 0-1.2
Min-Max Cable Length [mm] / [in]	160-∞ / 6.3-∞

CALIBRATION

Calibration Probe	ref.: 05-22-0011

Features

- Adjustable parameters: process temperature, shrinking time, etc;

- Several working configurations to accommodate all panel's applications;

- Two different operating modes: M1 with temperature control and shrinking time; and M2 mode with pre-programmed references (each reference can have from 1 to 20 shrinking times);

- Built-in cooling system;

- 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 for each shrinking time inside a reference;

- Manual and automatic calibration (single cycle);

- Programming mode password protected;

- Special maintenance mode for hardware debug;

- Cycle counter;

- Air fault detection;

- Interchangeable system language, including: Portuguese, English, French and Spanish (others on demand).

Options

- **Vaccum support system**
  Ref: 06-01-0063

- **Blade support system**
  Ref: 06-01-0064

- **Custom shrinking chamber**
  Ref: 06-01-0055

- **End splice tool**
  Ref: 27-03-0001

Mod. 0029.US-B | Ref: 18509-80-002-R09