

DATASHEET

STCS PHDir



> Media for this machine

Reference of the product
14-01-0034

Technology
 Infrared

The STCS-PHDir is a machine for processing heat shrink tubes, based on infrared technology. 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 portable unit for the shrinking operation.

It's based on a touchscreen display and offers network capability.



New and improved interface based on Touchscreen technology



Several new generation communication features as Ethernet, USB and WI-FI capability



Information of process parameters on the portable unit for work efficiency



Compact and lightweight portable device



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Technical Data

WORKING TEMPERATURE

Minimum	250 [°C]
Maximum	550 [°C]

DIMENSIONS - PORTABLE DEVICE

Length	166 [mm]
Width	328 [mm]
Height	300 [mm]
Weight	5 [kg]

DIMENSIONS - CONTROL MODULE

Length	362 [mm]
Width	372 [mm]
Height	163 [mm]
Weight	6,5 [kg]

POWER SUPPLY/CONSUMPTION

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

CONNECTIONS

Compressed Air	Quick Hold Socket, Ø 8mm;
Air Pressure	Min. 5 Bar; Max. 7 Bar; Rec. 6 Bar
Electrical Grid	1 IEC Standard Male Socket
Barcode Reader	USB
Programming	Touchscreen, Barcode Reader, External Device
Interface	Touchscreen, LCD 8x2, Buzzer and LED

SHRINKING CHAMBER

Shrinking Chamber	Ø34x74 [mm]
Cable Length [Min]	140 [mm]
Shrinking Tube Diameter [Max]	14 [mm]
Shrinking Tube Length [Max]	65 [mm]

CALIBRATION

Calibration Probe	ref.: 26-34-0001
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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 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;
- Interchangeable system language including: English, Portuguese, French and Spanish (others on demand).

Options



- **End splice tool**
Ref: 27-26-0003



- **Vacuum support system**
Ref: 27-26-0001



- **Blade support system**
Ref: 27-26-0002

- **Ring terminal tool**
Ref: 27-26-0004