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.
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
- Eletrical 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

**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