DATASHEET

STCS PHDir

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.

Reference of the product
14-01-0034

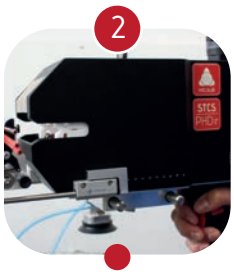
Technology
Infrared

> Media for this machine

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

MECALBI

MECALBI
Engineering Solutions, Lda.

Zona Industrial de Castelo Branco, Rua J Lote N14, Módulo A
6000-459 Castelo Branco – Portugal

www.mecalbi.com
www.youtube.com/mecalbi

Technical Data

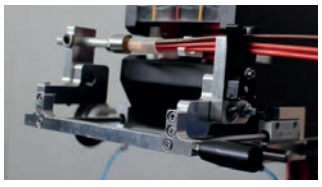
WORKING TEMPERATURE	
Min - Max [°C] / [°F]	250-510 / 482-950
SHRINKING TIME	
Min - Max [s]	1-100
MEASUREMENTS	
Width; Length; Height	166; 328; 300 [mm] 6.5; 12.9; 11.8 [in]
Weight [kg] / [lbs]	5 / 11
POWER SUPPLY/CONSUMPTION	
Supply	230 [V] @ 50Hz
Consumption	500 [mA] to 3 [A] (Max.700W)
PNEUMATIC	
Supply	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, LCD 8x2, Buzzer and LED
SHRINKING CHAMBER	
Shrinking Chamber [mm] / [in]	74; Ø34 / 2.9; Ø1.3
Min-Max Tube Ø [mm] / [in]	0-14 / 0-0.6
Min-Max Tube Length [mm] / [in]	0-65 / 0-2.6
Min-Max Cable Ø [mm] / [in]	0-14 / 0-0.6
Min-Max Cable Length [mm] / [in]	140-∞ / 5.5-∞
CALIBRATION	
Calibration Probe	ref.: 26-34-0001

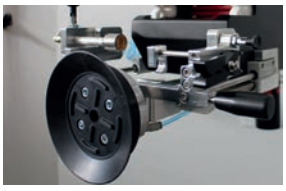
Features

- 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 holding system
  Ref: 27-26-0001

- Blade holding system
  Ref: 27-26-0002

- Work bench
  Ref: 27-26-0005
- Ring terminal tool
  Ref: 27-26-0004