DATASHEET
STCS VMir

The STCS-VMir is a heat shrink system, based on infrared technology. It´s designed for workbench applications and can process several parts at the same time.
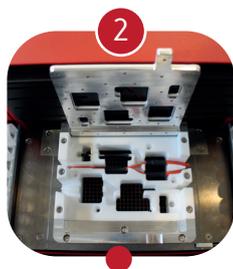
The same machine can be used on several applications, since it´s equipped with a fast exchangeable shrinking chamber system.

The chambers are designed according with the application specifications, making them ideal for special applications.

The STCS-VMir+ has a bigger work area and bigger shrinking chamber (225x100mm).
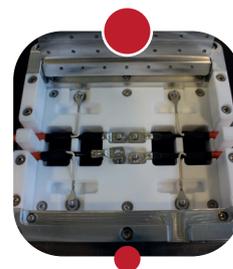

Fast changeable shrinking chamber

Open work area for faster setup time

New and improved interface based on Touchscreen technology, that allows network communication

Chambers can be customized for the most challenging and complex applications

Technical Data

WORKING TEMPERATURE	
Min - Max [ºC] / [ºF]	250-500 / 482-932

SHRINKING TIME	
Min - Max [s]	1-100

MEASUREMENTS	
Width; Length; Height [mm] / [in]	560; 490; 400 / 22; 19.3; 15.7
Weight [kg] / [lbs]	32 / 70.5

POWER SUPPLY/CONSUMPTION	
Supply	230 [V] @ 50Hz
Consumption	500 [mA] to 7 [A] (Max.2000W)

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
Interface	Touchscreen, Buzzer and LED

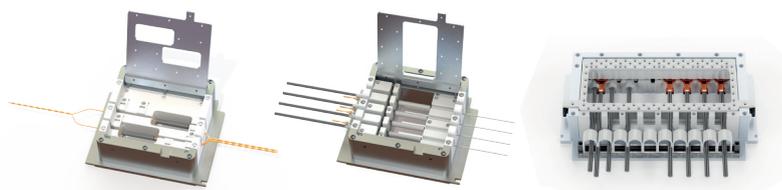| SHRINKING CHAMBER	
Shrinking Chamber [mm] / [in]	120 x 120 x 57 / 4.7 x 4.7 x 2.2
Min-Max Tube Ø [mm] / [in]	0-45 / 0-1.8
Min-Max Tube Length [mm] / [in]	0-120 / 0-4.7
Min-Max Cable Ø [mm] / [in]	0-45 / 0-1.8
Min-Max Cable Length [mm] / [in]	-

CALIBRATION	
Calibration Probe	ref.: 06-01-0277

Features

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

- Easy and fast replaceable shrinking chamber;

- Two different operating modes: M1 with temperature and shrinking time control; and M2 mode with pre-programmed references [999 in total];

- Pre-programming of references using a PC with STCS-RCT software (reads Excel™ files) or a USB stick;

- Automatic selection of references 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;

- Built-in cooling system;

- Manual and automatic calibration;

- Programming mode password protected;

- Special maintenance mode for hardware debug;

- External temperature probe connection for temperature reading and offset adjustment;

- Automatic cool down cycle to extend the life of components;

- Partial and global cycle counter;

- Communication with ultrasonic welding machines;

- Working time counter;

- Network communication;

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

Options

- Custom shrinking chamber
  Ref: 06-01-0222

- Dual fixture
  Ref: 27-17-0005