

DATASHEET

STCS

RT

The STCS-RT is a machine for processing heat shrink tubes, based on infrared resistors. It's designed for workbench applications and can process several parts at the same time.

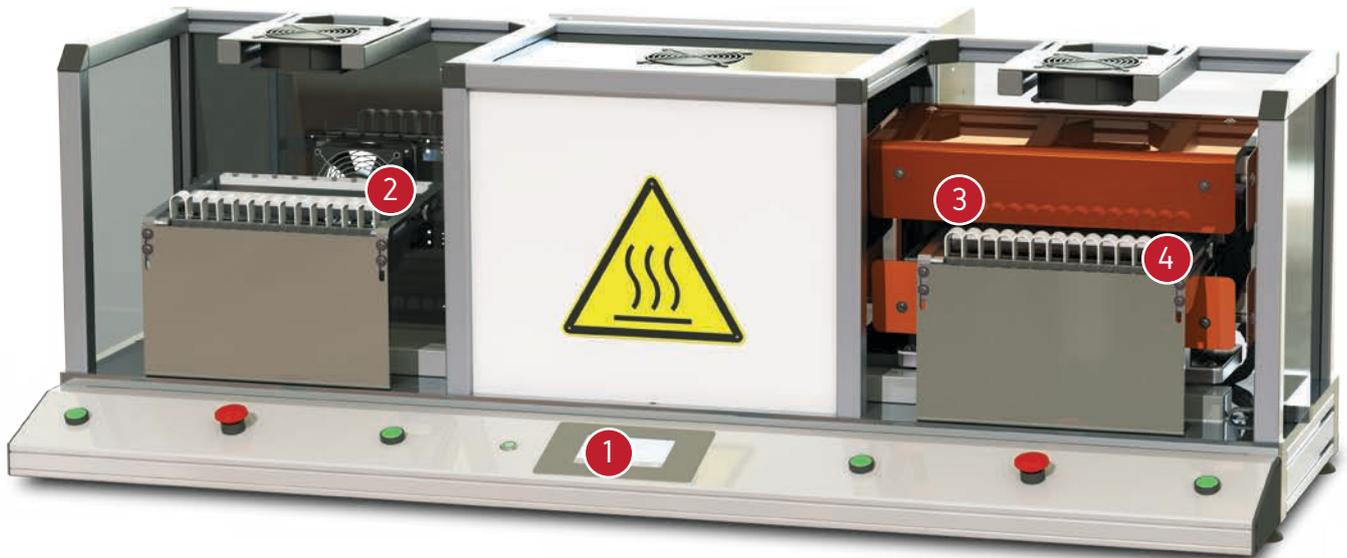
The system has two independent workstations (with independent shrinking parameters) and a movable oven. Each workstation is provided with support for tooling fixtures that can be used on a variety of small components, such as ring terminals and small connectors.



Reference of the product
14-01-0008

Technology
 Infrared

> Media for this machine



Two completely independent workstations with separate parameters



Each workstation can perform, in average, 10 assemblies simultaneously



Fully automated oven movement



Easily replaceable jigs (less than 5 seconds to swap)



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Technical Data

WORKING TEMPERATURE

| | |
|---------|----------|
| Minimum | 400 [°C] |
| Maximum | 550 [°C] |

DIMENSIONS

| | |
|--------|-----------|
| Length | 1500 [mm] |
| Width | 780 [mm] |
| Height | 525 [mm] |
| Weight | 123 [kg] |

POWER SUPPLY/CONSUMPTION

| | |
|-------------|--------------------------------|
| Supply | 230 [V] @ 50Hz |
| Consumption | 500 [mA] to 16 [A] (Max.3600W) |

CONNECTIONS

| | |
|--------------------|--|
| Barcode Reader | DB9 Male |
| Temperature Sensor | Type K Thermocouple |
| Power Line | 1 IEC Socket |
| Programming | Touchscreen, Barcode Reader, External Device |
| Interface | Touchscreen, Buzzer and LED |

SHRINKING CHAMBER

| | |
|-------------------------------|-------------|
| Shrinking Chamber | 275x95 [mm] |
| Shrinking Tube Diameter [Max] | 30 [mm] |
| Shrinking Tube Length [Max] | 90 [mm] |

CALIBRATION

| | |
|-------------------|------------------|
| Calibration Probe | ref.: 06-01-0280 |
|-------------------|------------------|

Features

- Adjustable parameters: process temperature, shrinking time, etc;
- Two independent workstations with independent parameters (shrinking time);
- Two different operating modes: M1 with temperature control and shrinking time; and M2 mode with pre-programmed references, 100 in total;
- The pre-programming of references can be done manually or using a PC with STCS-RCT software (reads Excel™ files);
- 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, to help the selection of the assembly;
- Tool fixtures with adjustable stopper to ensure the shrink tube's position;
- Easily replaceable jigs;
- 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;
- Working time counter;
- Network communication;
- Interchangeable system language, including: Portuguese, English, French and Spanish (others on demand).

Options



- **Custom jigs (pair)**
Ref: 06-01-0058