DATASHEET

STCS - RT

Ref: **14-01-0008**

Shrinking Tube Control System

mecalbi
ENHANCE INNOVATING

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.
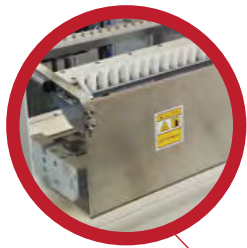
Two completely independent workstations with separate parameters

Each workstation can perform, in average, 12 assemblies simultaneously
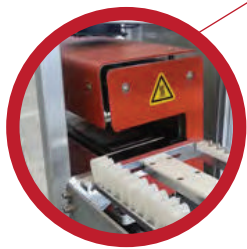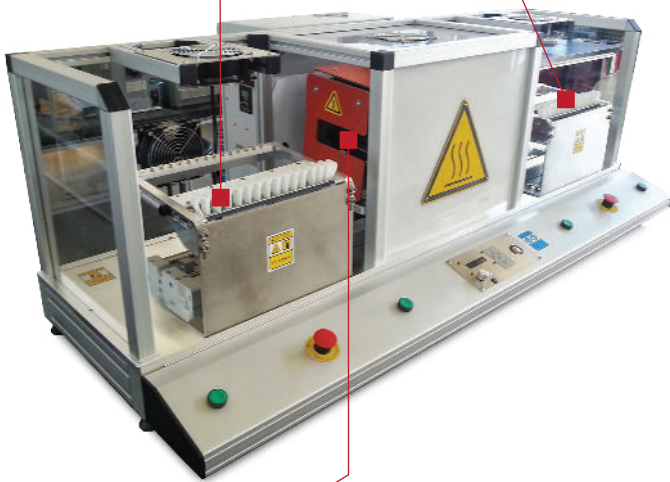
Fully automated oven movement

Easily replaceable jigs (less than 5 seconds to swap)

DATASHEET STCS - **RT**

TECHNICAL CHARACTERISTICS

WORKING TEMPERATURE

Minimum	400 [ºC]
Maximum	550 [ºC]

DIMENSIONS

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

POWER SUPPLY/CONSUMPTION

Supply	230 [V] @ 50Hz
Standby Consumption	500mA
Working Consumption	1 A to 16 A (Max. 3600W)

CONNECTIONS

Barcode Reader	DB9 Male
Temperature Sensor	Type K Thermocouple
Power Line	1 IEC Socket
Programming	Membrane Keyboard
Interface	LCD 16x2, Buzzer and LED

SHRINKING CHAMBER

Resistors Dim. (heat area)	95 x 285 [mm]
Resistors Power	1650 W

OPERATION

The operator starts by loading one workstation with the desired assemblies.

After the loading process, the operator presses the two green buttons of the desired workstation and the oven displaces itself from the middle to the workstation, starting the shrinking process.

During this time, the operator can start loading the other workstation, since the oven returns automatically to the middle, after the programmed shrinking time.

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);

▲ The selection of references can be done automatically using a barcode reader or manually using either the rotating knob or the keyboard;

▲ 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 sleeve´s position;

▲ Easily replaceable jigs;

▲ Manual and automatic calibration;

▲ Programming mode password protected;

▲ Special maintenance mode for hardware debug;

▲ Partial and global cycle counter;

▲ Working time counter;

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

OPTIONS

▲ **Additional pair of jigs** (Ref: 06-01-0058)