

Ref: 14-01-0002

Shrinking Tube Control System

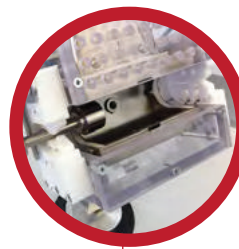
The STCS-L is a machine for processing heat shrink tubes, based on hot air devices. It's designed for line panel applications and can process one part at a time.

All controls and interfaces are integrated in a compact box, which includes the hot air tool and clamps, making it the ideal solution for simple line panel applications that require parameter control.

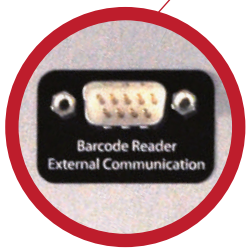
It is supplied with a standard shrinking chamber of 15 x 50mm, which can be customized.



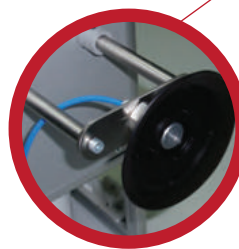
Can be supplied with custom shrinking chambers, designed for specific applications



Can be supplied with: customized clamps with automatic holding systems, cooling system or end-splices tool



Use of references/sequences, that can be selected manually or using barcode readers



Holding to the panel using a suction vacuum pump, which can be positioned horizontally or vertically



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TECHNICAL CHARACTERISTICS

WORKING TEMPERATURE

Minimum	150 [°C]
Maximum	350 [°C] (Due to material limitations, it's recommended to work below 280 °C)

DIMENSIONS

Length	345 [mm]
Width	216 [mm]
Height	445 [mm]
Weight	7 [kg]

POWER SUPPLY/CONSUMPTION

Supply	230 [V] @ 60Hz
Standby Consumption	50 mA
Working Consumption	50 mA to 15 A (Max. 3400W)

SUSPENSION

To the Line Panel	Vacuum Pump
To the Line	Suspension Reel (Not included)

CONNECTIONS

Barcode Reader	DB9 Male
Temperature Sensor	Type K Thermocouple
Power Line and Hot Air	2 IEC Socket
Programming	Membrane Keyboard
Interface	LCD 16x2, Buzzer and LED

SHRINKING CHAMBER

Shrinking Chamber	15 x 50 [mm] or to be defined
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- ▲ Adjustable parameters: process temperature, shrinking time, waiting time, etc;
- ▲ Three different operating modes: continuous, intermittent and pre-heating, to perform independent shrinking operations;
- ▲ Additional mode with references usage (group of shrinking and waiting times performed in sequence -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;
- ▲ Programming mode password protected;
- ▲ Manual calibration;
- ▲ Cycle counter;
- ▲ Interchangeable system language, including: English, Portuguese, French and Spanish (others on demand).

OPTIONS

- ▲ **Customized shrinking chambers** (Ref: 06-01-0004);
- ▲ **End-Splice tool** (Ref: 06-01-0057).

OPERATION

The STCS-L has a control module where the shrinking parameters and operation mode are defined. It has an built-in K type thermocouple used in a closed loop system to control the parameters.

The operator holds the equipment to the line panel and places the assembly inside the shrinking chamber, holding it into the clamps.

By pressing the start button, the shrinking operation starts using the defined parameters.

When it finishes, the machine stops and the operator can take out the end product.

