

STCS - VM

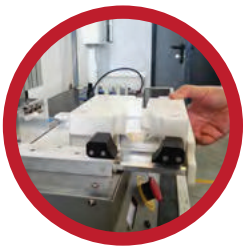
Ref: 14-01-0006

Shrinking Tube Control System

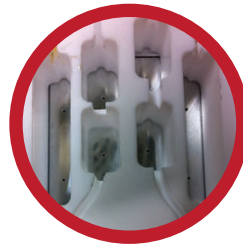
The STCS-VM is a machine for processing heat shrink tubes, based on hot air devices. It's designed for workbench applications and can process several parts at the same time.

The same machine can be used on several applications, since it's equipped with a fast exchangeable shrinking chamber system.

The chambers are designed in accordance with the application specifications, making them ideal for those where the assurance of the sleeve's position is mandatory.



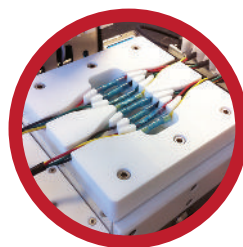
Fast removable shrinking chamber (less than 2 seconds to swap)



Optional cooling system



Chambers designed in accordance with the application, ensuring a strict positioning of the sleeve during the process



Can process several parts simultaneously



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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	315 [mm]
Width	375 [mm]
Height	600 [mm]
Weight	25 [kg]

POWER SUPPLY/CONSUMPTION

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

CONNECTIONS

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

SHRINKING CHAMBER

Depends on the application	
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OPERATION

The operator puts the assembly into the shrinking chamber and presses two green side buttons.

The STCS-VM has one hot air device above the shrinking chamber that lowers and the shrinking process begins, heating up until it reaches the process temperature.

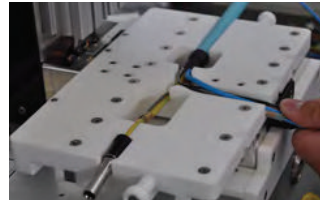
At the end of the process, the hot air device returns to its original position and the operator can remove the assembly. The system can be equipped with an optional cooling system that activates after the shrinking process, while the hot air device is still down, ensuring that the assemblies are not removed before the cooling process is complete.

Each machine allows the use of an indefinite number of customized shrinking chambers. The exchange of these chambers is very fast, taking no more than two seconds, and the chambers are locked by a key preventing their removal.

Additionally, if the chamber detection system option is installed, the selection of the parameters is automatic, upon the chamber insertion.

- ▲ Adjustable parameters: process temperature, shrinking time, etc;
- ▲ Easy and fast replaceable shrinking chamber, locked by key;
- ▲ Two different operating modes: M1 with temperature control and shrinking time; and M2 mode with pre-programmed references (each reference can have from 1 to 20 shrinking times);
- ▲ 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;
- ▲ Can be supplied with a chamber detection system to automatically select the reference and adjust the parameters for a given chamber;
- ▲ Use of labels for each shrinking time inside a reference;
- ▲ Manual calibration;
- ▲ Programming and maintenance mode password protected;
- ▲ Special maintenance mode for hardware debug;
- ▲ Cycle counter;
- ▲ Interchangeable system language, including: English, Portuguese, French and Spanish (others on demand).

OPTIONS

**Additional custom shrinking chamber**

Ref: 06-01-0056

**Cooling System**

Ref: 06-01-0086

**Chamber detection system**

Ref: 06-01-0128