DATASHEET

STCS - **RCM**

Ref: **14-01-0011**

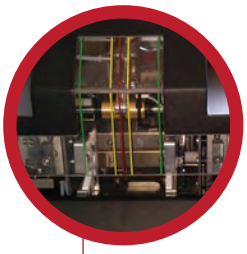
Shrinking Tube Control System

mecalbi
ENHANCE INNOVATING

The STCS-RCM is a machine for processing heat shrink tubes, based on infrared resistors with an inbuilt automatic sleeve centering system. It's designed for workbench applications and can process one part at a time.

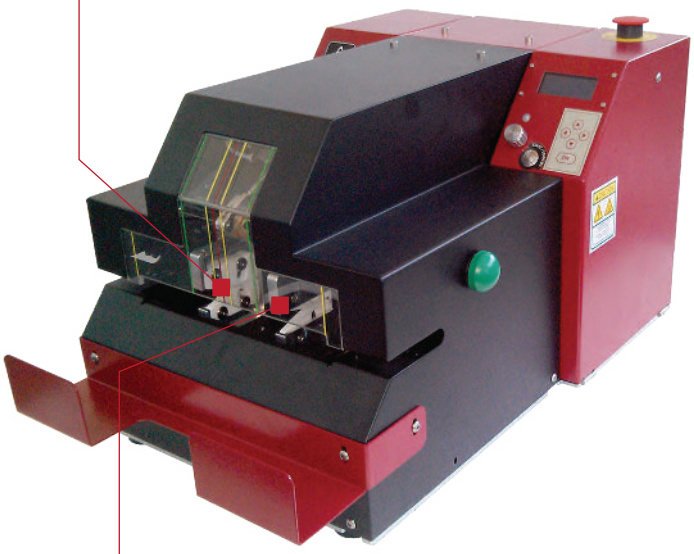
It has an built-in communication system with ultrasonic welding machines and several operating modes.

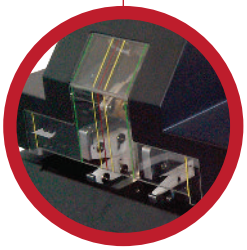
The centering feature allows the automatic centering of the sleeve in the middle of the copper area (welded zone), in order to avoid incorrect positioned sleeves.



Built-in centering system that ensures the sleeve is always in the middle of the copper area

Can be equipped with an end-splice tool with cooling that doesn't have to be removed to work with normal splices





Possibility of working with centering system or in standard mode

The pre-programming of references can be done manually or using a PC with STCS-RCT software (reads Excel™ files)

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DATASHEET STCS - **RCM**

TECHNICAL CHARACTERISTICS

WORKING TEMPERATURE	
Minimum	300 [ºC]
Maximum	550 [ºC]
DIMENSIONS	
Length	550 [mm]
Width	380 [mm]
Height	360 [mm]
Weight	37 [kg]
POWER SUPPLY/CONSUMPTION	
Supply	230 [V] @ 50Hz
Standby Consumption	250 mA
Working Consumption	250 mA to 3 A (Max.700W)
CONNECTIONS	
Compressed Air	Quick Hold Socket, Ø 8 mm; 5 to 8 Bar - Rec. 6 Bar
Electrical Grid	1 IEC Standard Male Socket (Detachable Power Supply Cord)
Barcode Reader	DB9 Male
Programming	Membrane Keyboard, Barcode Reader, External Device
Interface	LCD 16x4, Buzzer and LED
SHRINKING CHAMBER	
Wiring Chamber	Ø 32 x 77 [mm] (Can operate with shrinking tubes up to RBK4)
CENTRING SYSTEM AND CABLE/SLEEVE CHARACTERISTICS	
Electrode Width (Min. Copper Area/Welded zone)	13 [mm] 18 [mm]
Minimum Cable Length	360 [mm]
Sleeve Diameter (Max.)	21 [mm]
Sleeve Length (Min./Max.)	45/75 [mm]

OPERATION

In automatic centering mode, the operator inserts the assembly with the sleeve outside the welded area and puts the copper in contact with the system's electrode.

The machine takes hold of the cable and automatically centers the sleeve. During the rest of the process the cable remains unmovable.

The shrinking process starts and after its completion, the assembly is ejected automatically to the front of the machine.

FEATURES

- Adjustable parameters: process temperature, shrinking time, etc;
- Two working modes: automatic centering and normal mode;
- Three different operating modes: M1 with temperature control and shrinking time; M2 mode with pre-programmed references (100 in total, each having from 1 to 40 shrinking times); and M3 mode for KSK labelling system with the possibility of defining 500 different splices;
- 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;
- Manual and automatic calibration (single cycle);
- Programming mode password protected;
- Special maintenance mode for hardware debug;
- Cycle and time counter;
- Communication with ultrasonic welding machines;
- Air fault detection;
- Interchangeable system language, including: English, Portuguese, French and Spanish (others on demand).

OPTIONS

- **End-Splice tool**
  Ref: 06-01-0071