The STCS-VMir is a heat shrink system, based on infrared technology. 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 according with the application specifications, making them ideal for special applications.

The system was designed to ensure optimal conditions for CAN processing (normal and end splices), but can also be used for any given application.

**STCS-VMir**

**DATASHEET**

Reference of the product: 14-01-0022

Technology: Infrared

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**Fast changeable shrinking chamber**

**Open work area for faster setup time**

**New and improved interface based on Touchscreen technology, that allows network communication**

**Chambers can be customized for the most challenging and complex applications**

**Now with a Plus version**

**STCS-VMir+**

Bigger oven 225mmX100mm
### Technical Data

#### Working Temperature
- **Minimum**: 250 [°C]
- **Maximum**: 550 [°C]

#### Dimensions
- **Length**: 525 [mm]
- **Width**: 495 [mm]
- **Height**: 390 [mm]
- **Weight**: 32 [kg]

#### Power Supply/Consumption
- **Supply**: 230 [V] @ 50Hz
- **Consumption**: 500 mA to 7 A (Max. 1500W)

#### Pneumatic
- **Supply**: Quick Hold Socket ø8 [mm]
- **Supply Pressure**: Min: 5bar; Max: 8bar; Rec: 6bar

#### Connections
- **Barcode Reader**: USB
- **Temperature**: Type K Thermocouple
- **Power Line**: IEC Socket
- **Programming**: Touchscreen
- **Interface**: Touchscreen, Buzzer and LED

#### Shrinking Chamber
- **Shrinking Chamber**: 120x120x57 [mm]
- **Shrinking Tube Diameter [Max]**: 20 [mm]

#### Calibration
- **Calibration Probe**: ref.: 06-01-0277

### Features

- **Adjustable parameters**: process temperature, shrinking time, cooling time etc;
- **Easy and fast replaceable shrinking chamber**;
- **Two different operating modes**: M1 with temperature and shrinking time control; and M2 mode with pre-programmed references [999 in total];
- Pre-programming of references using a PC with STCS-RCT software (reads Excel files) or a USB stick;
- **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;
- **Built-in cooling system**;
- **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**;
- **Communication with ultrasonic welding machines**;
- **Working time counter**;
- **Network communication**;
- **Interchangeable system language** including: English, Portuguese, French and Spanish (others on demand).

### Options

- **Custom shrinking chamber**
  - Ref: 06-01-0222