

# DATASHEET

# STCS

# LC XL



Reference of the product  
14-01-0021

Technology  
 Infrared

The STCS – LC XL is a variation of the standard STCS-LC machine. Based on infrared resistors, it's able to process several and different types of parts at the same time.

The bigger shrinking chamber (500x820mm) allows a higher range of harness dimensions and when using custom fixtures it's possible to protect any sensible component and make sure of any position requirement.

Designed for workbench applications, it has two operating modes including the usage of references which can also be selected using barcode readers.



Bigger set up area,  
700x510mm



Bigger shrinking  
chamber, 500x820mm



Side panel with USB port  
for reference uploading  
and barcode reader  
connection



New and improved  
interface based on  
Touchscreen  
technology

## Technical Data

### WORKING TEMPERATURE

Min - Max [°C] / [°F]	250-600 / 482-1112
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### SHRINKING TIME

Min - Max [s]	18-180
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### MEASUREMENTS

Width; Length; Height [mm] / [in]	1020; 1860; 771 / 73,2; 40,2; 30,4
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Weight [kg] / [lbs]	220 / 485
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### POWER SUPPLY/CONSUMPTION

Supply	400 [V] ~3/N @ 50Hz
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Consumption	500 [mA] to 30 [A] (Max.20000W)
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### PNEUMATIC

Supply	Quick Hold Socket Ø8 [mm]
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Supply Pressure	Min: 2bar; Max: 6bar; Rec: 3bar
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### CONNECTIONS

Barcode Reader	USB
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Temperature Sensor	Type K Thermocouple
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Power Line	1 IEC Standard Male Socket
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Programming	Touchscreen
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Interface	Touchscreen, Buzzer and LED
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### SHRINKING CHAMBER

Shrinking Chamber [mm] / [in]	500x820x140 / 32,3x19,7x5,5
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Min-Max Tube Ø [mm] / [in]	0-140 / 0-5,5
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Min-Max Tube Length [mm] / [in]	-
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Min-Max Cable Ø [mm] / [in]	0-150 / 0-5,5
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Min-Max Cable Length [mm] / [in]	-
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### CALIBRATION

Calibration Probe	ref.: 06-01-0192
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## Features

- Adjustable parameters: process temperature, shrinking time, cooling etc;
- 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, using a PC with STCS-RCT software (reads Excel™ files) or using a USB stick;
- The selection of references can be done automatically using a barcode reader or manually on the touchscreen;
- Use of labels and information about additional glue for each shrinking time inside a reference;
- Automatic conveyor speed adjustment, in function of the programmed shrinking time;
- Built-in cooling system, based on compressed air amplifiers;
- Adjustable oven opening (up to 100mm);
- Manual and automatic calibration;
- Programming mode password protected;
- Special maintenance mode for hardware debug;
- Equipped with the external temperature probe connection for temperature reading and offset adjustment;
- Automatic cool down cycle to extend the lifecycle of components;
- Partial and global cycle counter;
- Working time counter;
- Interchangeable system language, including: English, Portuguese, French and Spanish (others on demand).

## Options



- **Custom Fixture**  
Ref: 27-33-0001