

# DATASHEET

# ISAC19 STA



Reference of the product  
27-09-0002

Technology  
☑ Process Control

> Media for this machine

The ISAC19 STA is a device for automatic centering of heat shrink tubes in linear splices. Made as a standalone equipment and as an independent process, is also able to communicate with its client to send information such as process parameters to guarantee the process integrity.

It is designed to sit at the front of the conveyor and work as a fast feeder of pre-prepared assemblies with pre-positioned and validated heat shrink tubes for position assurance.



Communication with the heat shrink systems



Automatic validation and centering of heat shrink tubes



Touchscreen interface



Heat shrink tubes length between 30 and 90mm

## Technical Data

### WORKING TEMPERATURE

Min - Max [°C] / [°F]	Defined by heat shrink system
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### SHRINKING TIME

Min - Max [s]	Defined by heat shrink system
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### MEASUREMENTS (CENTERING DEVICE)

Width; Length; Height	600; 805; 403 [mm] 23,6; 31,7; 15,9 [in]
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Weight [kg] / [lbs]	40 / 88,2
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### MEASUREMENTS (CONTROL MODULE)

Width; Length; Height	145; 202; 147 [mm] 5,7; 7,9; 5,8 [in]
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Weight [kg] / [lbs]	5 / 11
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### POWER SUPPLY/CONSUMPTION

Supply	230 [V] @ 50Hz / 110 [VAC] 60Hz
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Consumption	0.1 [A] to 0.45 [A] (Max.100W)
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### PNEUMATIC

Supply	Quick Hold Socket Ø8 [mm]
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Supply Pressure	Min: 3bar; Max: 5bar; Rec: 4bar
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### CONNECTIONS

Barcode Reader	USB
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Power Line	1 IEC Standard Male Socket
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Programming	Touchscreen, Barcode Reader
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Interface	Touchscreen, Buzzer and LED
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### CENTERING CHAMBER

Min-Max Tube Ø [mm] / [in]	0-25 / 0-1
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Min-Max Tube Length [mm] / [in]	30-90 / 1,9-3,5
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Min-Max Cable Length [mm] / [in]	450-∞ / 17,7-∞
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Splice Detection Length [mm] / [in]	6-22 / 0,2-0,9
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## Features

- Standalone or server mode to communicate with client (heat shrink system);
- Communication with client (heat shrink system) for process parameters setting: heat shrink tube length, process temperature, shrinking time, etc;
- Two different operating modes: M1 with process parameters control; and M2 mode with pre-programmed references (999 in total);
- Use of spreadsheets for pre-programming of references and USB sticks to transfer them to the equipment;
- Automatic reference selection using a barcode reader or manually on the touchscreen;
- Easy firmware upgrade using a USB stick;
- Automatic centering system for heat shrink tube position assurance;
- Detection system to validate heat shrink tube position and dimension;
- Adjustable electrode blades for splice detection between 6mm and 22mm;
- User login;
- Special maintenance mode for hardware debug; Partial and global cycle counter;
- Working time counter;
- Network communication;
- Interchangeable system language including: English, Portuguese, French and Spanish (others on demand).