

## DERAY®-FST 950 2.0

The DERAY®-FST 950 2.0 is a belt driven shrink tunnel with infrared heating elements designed to process a wide variety of heat-shrink tubes for safe high volume production.

The device includes a touch panel control unit and can be easily integrated with other equipment or control systems for easy set-up, operation and monitoring.

### Features and Benefits

- Fully automatic calibration
- Adjustable centering tool supports tubing positioning for unbalanced splices
- Piece counter for easy monitoring
- Integrated control unit
- Automatic error detection stops process to avoid bad parts
- Adjustable temperature and speed
- Extended cooling zone to control adhesive flow
- Robust and durable IR ceramic heating elements
- Communication with upstream ultrasonic welder allows time, temperature and tubing size to be automatically set without operator intervention
- Automatic selection of process parameters via USB scanner or manually via touch panel
- Communication systems: RJ45, RFID, RS232, TCP/IP and OPC UA
- Additional USB port for data import/export ports and TC socket for Thermocouple
- To ensure safety, the anti-drop device automatically locks the upper part of the appliance step-by-step when opening until the desired opening angle is reached. Pressing the black button releases the anti-drop device again
- Blocking system to ensures machine use only after the set process conditions are reached
- Safe shutdown procedure extends machine lifetime
- Password protected programming mode
- Status indicator with LED signal lights and acoustic signals
- Selection of system language: English, German (others on demand)
- CE and RoHs conformity

 Infrared



**Fully automatic calibration**

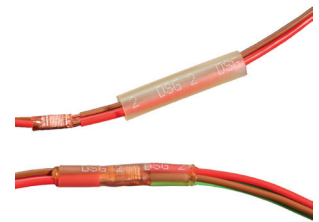
**Automatic error detection**

**Extended cooling zone to control adhesive flow**

### Applications

Splice sealing products

### Application samples:



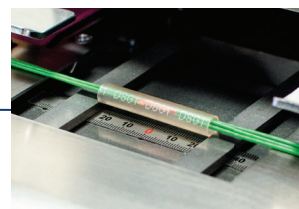
# DERAY®-FST 950 2.0

## Operation

The DERAY®-FST 950 2.0 is equipped with four IR ceramic heating elements. The heat-shrink covered splices or terminals are transported by two parallel running belts through the heating zone. The upper and lower conveyor belts are driven separately via two drive units. Once the shrinking is complete, three fans cool the finished applications. The cooling system helps to prevent the finished applications from sticking together and to ensure that they can be quickly released for further processing.



Siemens touch panel for quick monitoring of shrinking process and easy data input



Adjustable centering tool for easy and exact placement of splices

## Technical data

PROPERTY	
Electrical connection	1/N/PE AC 230 V 50-60 Hz
Electrical power consumption	2.5 kW
Rated current	8 AM
Electrical fuse protection at the owner	16 A
Degree of protection	IP 20
Power of IR-heating unit	4 x 600 W
Shrinking zone	500 mm (19.7 in)
Cooling zone	300 mm (11.8 in)
Shrink temperature at the IR heater	300°C - 550°C (572°F - 1022°F)
Ambient temperature	10 °C - 40 °C (50 °F - 104 °F)
Sound pressure level	approx. 50 dB(A)

### Dimensions and weight

Shrink equipment	w 320 x h 560 x d 1430 mm (w 12.6 x h 22 x d 56 in) 80 kg (176 lbs)
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## Order information

DERAY®-FST 950 2.0

### Heat-shrink

#### products & sizes:

DSG-Canusa heat-shrink products

- DERAY®-SpliceMelt: Sizes 1 to 4, length max. 75 mm
- DERAY®-UMS: Sizes 1 to 4, length max. 75 mm
- CHPA: Sizes 1 to 4, length max. 75 mm
- HFTX: Sizes 1 to 4, length max. 75 mm
- Single wall shrink tube: Length max. 90 mm, max. diameter 20 mm
- Max. Outer diameter (cable) = 10 mm

For other products and sizes contact DSG-Canusa Application Engineering.

### Scope of delivery:

- Shrink equipment
- Centering tool
- Operating manual: English, German (others on demand)

### Accessories:

- Calibration sensor
- USB scanner

We advise that customers should separately evaluate the suitability of our products for their particular application. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. Please ask for the latest version of this data sheet. Subject to modification without prior notice.