



DESCRIPTION

The DERAY®-FST 950 2.0 is a belt driven shrink tunnel with four IR ceramic 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: 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 ensure machine use only after the set process conditions are reached
- Safe shutdown procedure extends machine lifetime
- Status indicator with LED signal lights and acoustic signals
- Selection of system language: English, German (others on demand)
- CE and RoHs conformity



FULLY AUTOMATIC CALIBRATION

AUTOMATIC ERROR DETECTION

EXTENDED COOLING ZONE TO CONTROL ADHESIVE FLOW

APPLICATIONS:

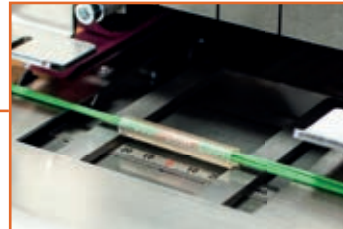
Splice sealing products

APPLICATION SAMPLE:





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



Adjustable centering tool for easy and exact placement of splices

OPERATION

The operator inserts the application manually into the unit where it is taken over by the conveyor belts. The heat shrink covered splices or terminals are transported by two parallel running belts through an infrared 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 before finally being deposited into a collection bin. The cooling system prevents the applications from sticking together and to ensure that they can be quickly released for further processing.

 Watch our video demos on www.dsgcanusa.com

ORDER INFORMATION

DERAY®-FST 950 2.0

HEAT SHRINK PRODUCTS & SIZES

- 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
- Auxiliary tool for tube positioning
- Operating manual: English, German (others on demand)

ACCESSORIES

- Calibration sensor
- USB scanner
- Customized work bench

TECHNICAL DATA

PROPERTY	
Electrical connection	1/N/PE AC 230 V 50-60 Hz
Electrical power consumption	2.5 kW
Rated current	8 A
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)