MODEL 17 BELT HEATER
A Fast, Safe, and Reliable approach to Heat Shrink Wire Processing

Easy Operation.
Introducing the Model 17 Belt Heater from TE Connectivity. The reliable, safer and faster alternative to heat guns for heat shrink applications. The Model 17 Belt Heater is our smallest (tabletop) conveyor style processor which provides a controlled process for a wide variety of heat-shrinkable tubing products. Double-sided timing belts on the top and bottom of the processing chamber draw the assemblies through a thermally controlled infrared heat zone and through a fan-cooled zone before depositing them safely into an unloading bin.

Controlled Heating Zone.
The Model 17 processor has two stamped foil heating elements that are manufactured to a strict wattage specification. Consistent temperatures (ambient to 650° C) are controlled by a thermocouple embedded into the upper heating element connected to a closed-loop temperature controller. An alarm light illuminates whenever the actual heating element temperature varies from the set point temperature.

Speed Control.
The belt speed is selected using a 3-digit thumb wheel via a closed-loop motor controller and DC gear motor. There are clearly marked guides for aligning the assembly as well as the tubing or device being processed. The operator only has to center the assembly then the tubing and slide it into the belts. The belts grip and carry the assembly through the heating and cooling zone, depositing them into the unloading bin. Labor costs are reduced significantly because once an operator loads an assembly, that operator can begin preparing another assembly. The throughput rate is usually limited by the rate at which the operator can load assemblies into the processor.

Versatile Design.
The processor is designed to process a broad range of heat-shrinkable products up to 19 mm [0.75 in] in diameter and 90 mm [3.5 in] in length. The infrared energy source is well-suited to efficient processing of either single-wall or adhesive-lined tubing. Heat output can be controlled to accommodate a wide variety of products and substrates.
TE FIELD ENGINEERS BRING YOU:

BY THE NUMBERS

**Electrical**
- Power Requirements: 120 VAC, Ø 50/60 Hz, 20 A (**PN 2280355-3**)
  220 VAC, Ø, 208-240 VAC, 15 A (**PN 2280355-1**)
- Heating Elements: 2 ea. 1000 watt stamped foil infrared with quartz face
- Drive System: DC gear motor with closed loop motor controller, 3-digit thumb-wheel
- Air flow (cooling): 2 - 100 CFM fans in the upper heater housing

**Mechanical**
- Conveyor belt system: Double sided timing belts; two on each side of the processor - pitch 9.5 mm [0.375 in]
- Belt Speed: Up to 243 cm / min [8 ft / min]

**Dimensions cm [in.]**
- Processor Weight: 41 Kg [90 lbs]
- Shipping Weight: 68 Kg [150 lbs]

**Tubing Sizes**
- Tubing Diameter (max): Up to 19 mm [0.75 in]
- Tubing Length (max): Up to 90 mm [3.5 in]

![Diagram of Model 17 Belt Heater](image)

**Strength in Numbers**
The Model 17 Belt Heater is just one member of a robust family of Heat Shrink equipment designed to deliver maximum performance and the highest quality for our customers. Their fast, reliable and user friendly designs can handle a wide variety of applications and production volumes.

For more information on our complete line of Heat Shrink Machines download catalog 2-1773452-8 from tooling.te.com.

**Waste Not. Want Not.**
Whether its time or scrap, in manufacturing everyone knows that waste costs money. With our on-site certification and consultation services, we can help you:

- Reduce downtime
- Reduce scrap
- Maintain crimp quality
- Improve manufacturing efficiency

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