

## FLEXXCEL HEAT SEAL IRON

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U.S. Bellows manufactures high-performance fabric expansion joints for industrial applications. These expansion joints often require thermal-welding (heat seal splice) in field service. Cost effective and easy-to-use heat seal irons are available from U.S. Bellows for use with FLEXXCEL materials.

The main function of a heat seal iron is to introduce enough heat to allow a proper bond between PTFE surfaces of FLEXXCEL materials. The melting point of PTFE is around 621°F (327°C). However, the setting of a heat seal iron is determined by factors like ambient temperature, thickness of bonding materials, and the surface upon which you heat seal. Applying pressure can help facilitate a good bond, but in order to achieve a correct bond, the melting point of the U.S. Bellows FLEXXCEL materials must be achieved.

### SAFETY PRECAUTIONS

Experience has shown fluoropolymers can be processed and used at elevated temperatures without hazard if proper ventilation is used. Make certain all heat sealing is performed in well ventilated areas. Make certain the heat sealer is safely handled during use. The heat sealer temperature will reach 725°F in normal operation. Special care must be taken with the heat sealer during handling due to the high temperature.

### FLEXXCEL HEAT SEAL IRON



Accurate Temperature Control



Large Heat Sealing Area



Easy and Safe to Handle

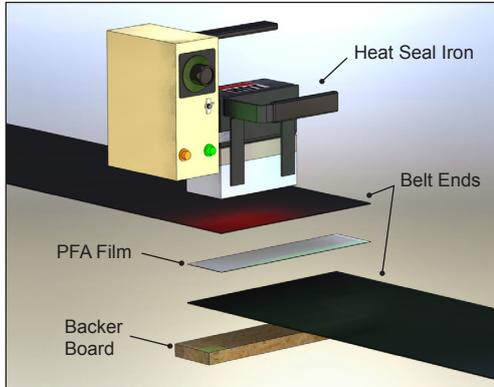
### FLEXXCEL HEAT SEAL IRON OPERATION

To operate the Heat Seal Iron, follow these instructions:

- Plug the unit into an electrical outlet.
- Place the Heat Seal Iron on the FLEXXCEL Backer Board or another insulated surface.
- Push the toggle switch up to the “on” position.
- Set the temperature by turning the dial to the desired temperature. A temperature range of 700°-740°F (370-385°C) is typical for splicing U.S. Bellows FLEXXCEL materials.

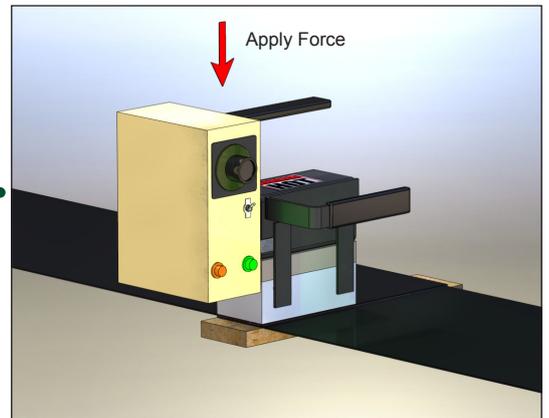
The unit contains two lights, a “heat up” light and a “ready” light. The “heat up” light will remain lit until the unit reaches the set temperature, at which point the “ready” light will go on.

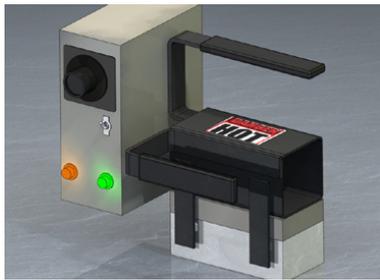
## FLEXXCEL HEAT SEAL IRON



Upon purchase or rental of a FLEXXCEL Heat Seal Iron, U.S. Bellows will supply detailed Heat Seal Splice instructions specific to the belt material that you purchase. These instructions will include text, photos and drawings.

U.S. Bellows will supply a test splice kit utilizing state of the art material—ensure a splice, which will virtually guarantee that you will perform a successful splice. Detailed test splice instructions will be included.



PRODUCT SPECIFICATIONS	
Product	 3x6 Heat Seal Iron
Platen Dimensions	3" x 6" (76 x 152 mm)
Supply Voltage	120 Volts or 240 Volts
Current	7.1 AMPS @ 120 Volts 3-1/3 AMPS @ 240 Volts
Controller	Fenwal Series
Weight	12.5 lb (5.7 kg)
Wattage	850 watts
Frequency	60/50 hz

### PURCHASE OR RENTAL?

#### Purchase

FLEXXCEL Heat Seal Irons can be purchased for \$1,695. If the iron is purchased, it should be stored for all future belt installations, or for emergency repairs.

#### Rental

FLEXXCEL Flexxxcel Heat Seal Irons can be rented for \$150 per day with a minimum 3 day rental. The iron must be returned within 60 days of purchase order date. The iron will be inspected upon return. The Iron must be returned in good working condition.