



Expect To Be Impressed!

**CHASE**  
MACHINE & ENGINEERING, INC.

# FS-180 INVERTED SEALER



Chase Machine's FS-180 Inverted Ultrasonic Fabric Sealing System "sews" and/or slits knitted, woven, and non-woven man-made thermoplastic materials without needle or thread. The system differs from Chase Machine's FS-90 in that the welding head is located beneath the table surface, giving the operator greater visibility of the sealed area.

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## For greater operator visibility during sealing.

### FEATURES/BENEFITS

- Stack and horn mounted beneath table for clear operator visibility
- Two-position foot switch facilitates operation – first position raises and engages the rotary wheel, applying force to the material being processed; second position activates ultrasonics and wheel rotation
- Operator-selectable maximum operator speed enables operator to set maximum feed speed at the fully depressed foot switch position setting
- Designed for operator safety – no needles or other moving parts above the work surface
- Variable speed drive motor provides continuous operation at speed ranges of 0 to 42 ft/min (0 to 12 m/min)
- Operator controls conveniently located on machine front, including pneumatic pressure regulator gauge, on/off switch, and power on indicator
- Standard sewing table with adjustable height
- Various sealing patterns available, including standard single stitch, right or left slant, and zigzag; custom-designed patterns also available at additional fee
- Typical applications include protective garments, disposable hospital gowns and shoe covers, face masks, infants' nursery garments, filters, bags, curtains, sails, and web splicing

Since 1954, Chase Machine has designed, manufactured, and serviced custom web handling equipment for the biggest names in the non-wovens, textile, geotextile, and medical industries. You can depend on us for superior engineering practices, quality components, fair pricing, on-time delivery, and reliable after-deployment service and support. Our goal is to make your production processes more efficient and cost-effective.



For more information, contact Guy Gil ([guygil@chasemachine.com](mailto:guygil@chasemachine.com)).

# Specifications



## FS-180 INVERTED SEALER

### Mechanical Specifications

#### Pneumatic Requirement

80 psi clean, dry air

Sealing wheel force against face of horn: Variable 1 to 50 lbs

#### Dimensions

*Model FS-180:*

Height: Adjustable

Width: 22" (559 mm)

Depth: 15" (381 mm)

*Model 2000bdc Power Supply:*

Height: 6¼" (159 mm)

Width: 16⅝" (422 mm)

Depth: 19⅜" (492 mm) plus 3" (76 mm) cable clearance

*Sewing Table Option:*

Height: Adjustable

Width: 48" (1,220 mm)

Depth: 26" (660 mm)

### Electrical Specifications

#### Power Requirements

*Model FS-180:* 117V AC, 1 phase, 5 amp, 50/60 hz

*Model 2000bdc:* 100-120V AC, 1 phase, 13 amps, 50/60 hz

*Power Supply Electrical Connection:* NEMA 5-15P plug provided, requires NEMA 5-15R receptacle

*Note:* For complete power supply information, refer to Branson data sheet 2000bdc.

#### Warranty

The Chase Model FS-180 Inverted Ultrasonic Fabric Sealing System carries a one-year warranty on all parts and workmanship. The Model 2000bdc carries a three-year warranty on materials and workmanship. This warranty applies to equipment purchased in North America.

#### For More Information

Call (401) 821-8879

E-mail [guygil@chasemachine.com](mailto:guygil@chasemachine.com)

Visit [www.chasemachine.com](http://www.chasemachine.com)

#### OPTIONS

- Available back puller
- May be mounted in a fabric handling system
- May be integrated into automated production lines by eliminating the foot switch and providing a start signal to the power supply

