

# FS-90 ULTRASONIC FABRIC SEALING SYSTEM



Chase Machine's FS-90 Ultrasonic Fabric Sealing System "sews" and/or slits knitted, woven, and non-woven man-made thermoplastic materials without needle or thread. Sealed edges with no stitch holes – unlike conventionally stitched edges – prevent penetration of chemicals, liquids, blood pathogens, or particulates.

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## FEATURES/BENEFITS

- Stand-alone system enables flexibility and tight turns in sealing and/or cutting, and provides unobstructed view of fabric in the processing area
- 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 60 ft/min and 7 to 123 ft/min
- Operator controls conveniently located on control panel, including pneumatic pressure regulator; on/off switch; power on indicator; and nip control
- 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.



# Specifications



## FS-90 ULTRASONIC FABRIC SEALING SYSTEM

### Mechanical Specifications

#### Pneumatic Requirement

80 psi clean, dry air

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

#### Dimensions

*Model FS-90:*

Height: 25 $\frac{1}{8}$ " (638 mm)

Width: 30" (762 mm)

Depth: 22" (559 mm)

*Model 2000bdc Power Supply:*

Height: 6 $\frac{1}{4}$ " (159 mm)

Width: 16 $\frac{5}{8}$ " (422 mm)

Depth: 19 $\frac{3}{8}$ " (492 mm) plus 3" (76 mm) cable clearance

*Model 2000LP Power Supply:*

Height: 9" (229 mm)

Width: 7 $\frac{3}{4}$ " (197 mm)

Depth: 13 $\frac{1}{2}$ " (343 mm) plus 3" (76 mm) cable clearance

*Sewing Table Option:*

Height: Adjustable

Width: 48" (1,220 mm)

Depth: 27" (686 mm)

### Electrical Specifications

#### Power Requirements

*Model FS-90:* 100-130V AC, 1 phase, 5 amp, 50/60 hz

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

*Model 2000LP:* 100-120V AC, 1 phase, 7 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 and Branson data sheet 2000LP.

#### Warranty

The Chase Model FS-90 Ultrasonic Fabric Sealing System carries a one-year warranty on all parts and workmanship. The Model 2000bdc and 2000LP carries a three-year warranty on materials or workmanship. This warranty applies to equipment purchased in North America.

### OPTIONS

- Available dual sealing arm adds capability of supporting up to three-inch wide sealing or lace making wheel, or enables dual sealing and slitting
- Available slitting wheel mechanism separate from sealing mechanism for individual control and longer anvil life
- 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



### For More Information

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