



The MSI FFS700S/800S equipment features our proprietary Wavepleat™ technology mechanism in an easy to use R&D, desktop pilot production or manufacturing unit for processing standard PTCA or PTA catheters. The equipment features PLC controls including a digital encoder readout improving efficiencies during manufacturing and catheter model changes.

The FFS700S/800S operates pneumatically and accepts a wide variety of head lengths and diameters. Each Wavepleat™ head is designed to specific balloon dimensions to ensure accurate and repeatable processing with the lowest possible folded balloon profiles. Compared to hand folding, the thermal properties of the MSI pleat and fold heads may increase balloon refold characteristics.

\*Due to component obsolescence since the original design, all new FFS700/800 equipment comes with an updated software version integrating the encoder diameter display into the HMI.

### ***FFS700S/800S Features***

- **Interchangeable Wavepleat™ and fold heads.**
- **PLC controlled, pneumatic activation system.**
- **Digital encoder readout for pleat & fold head diameter position.**
- **Micrometer stops for pleat & fold head diameter control.**
- **Sensor activation.**

# FFS700S-800S

## Balloon Catheter Pleating & Folding Equipment



### Summary of Spec Data

<b>Power Requirements</b>	110 or 220 VAC
<b>Pneumatic Requirements</b>	120 psi
<b>Thermal Compression Control</b>	77°F to 212°F (25°C to 100°C)
<b>Balloon Pressure</b>	0-110 psi
<b>Balloon Vacuum</b>	Up to 600 mmHg
<b>Pleat Dwell Timers</b>	0-99.9 sec
<b>CE Certified</b>	Yes
<b>General Warranty</b>	1 Year

### FFS700S Machine Dimensions

- Shipping Weight: 168 lbs (78kg)
- Machine Weight: 138 lbs (63kg)
- Height: 14" (356mm)
- Width: 28" (711mm)
- Depth: 22" (559mm)

### FF800S Machine Dimensions

- Shipping Weight: 182 lbs (83kg)
- Machine Weight: 152 lbs (69kg)
- Height: 14" (356mm)
- Width: 28" (711mm)
- Depth: 22" (559mm)

### FFS700S/800S Equipment Specifications

#### Form/Fold/Set Base Unit Specifications

- Pneumatic controlled base with interchangeable pleat & fold heads.
- Digital Encoder readout for pleat & fold head diameter position.
- PLC controller.
- Thermal compression control.
- Manual catheter handling and clamp system.
- Pressure regulator control from 0-120 psi.
- Micrometer stop for fold head compression diameter control.
- Straight vacuum/pressure luer fitting.
- Vacuum control up to 600mmHg.
- Interlock safety feature.
- Emergency stop.
- CE certified.

#### Programmable Parameters

- Pleat/fold head dwell timer.
- Pleat/fold head close delay.
- Thermal head controls.
- Vacuum delay.

#### Pleat Head Specifications

- One (1) Wavepleat™ head with customer specified pleat/segment design.
- Heater junction box with LED indicators.

#### Fold Head Specifications

- One (1) folding mechanism with PTCA or PTA open diameter and length specifications.
- Ten segment heated stainless steel fold head design.
- Heater junction box with LED indicators.

