



The MSI FFS775S/875S is engineered to pleat and fold balloon catheters to the lowest possible profile with accurate, and repeatable results while reducing cycle times and reject rates. These minimal balloon profiles are accomplished by designing each proprietary thermal Wavepleat™ head to the exact balloon specifications they are intended to process.

Reduction in cycle times and rejects rates are accomplished by decreasing the amount of operator dependence in the pleating/folding process. The product profiles are stored and recalled by the PLC eliminating the need for operators to manually set up the machine when switching product runs.

To further reduce operator dependence the FFS775S/875S features our “V” formation catheter handling system, which is designed for ease of product handling, while maintaining a very accurate placement of the balloon in the head. Additional reduction of operator dependence and cycle times can be accomplished by selecting the optional automated handling and vision assistance systems.

FFS775S/875S™ Features

- Reduction of operator dependence.
- Minimal folded balloon profiles.
- Capable of storing and recalling 100 unique product profiles.
- Quick and easy set up between product runs.
- Interchangeable thermal Wavepleat™ and fold heads.

FFS775S/875S™

Balloon Catheter Pleating & Folding Equipment



FFS775S/875S™ Equipment Specifications

Form/Fold/Set Base Unit Specifications

- Servo controlled base with interchangeable pleat & fold heads.
- Motor encoder used for diameter control.
- PLC controller.
- Thermal compression control adjustable from Ambient to 100 °C.
- Manual catheter handling system, V-block design.
- Pleat and Fold Heads angled for "V" movement.
- Manual catheter clamp system with high strength magnets.
- Pleat and fold head guide funnels.
- Sensor activation.
- Pressure regulator control from 0 - 100 psi.
- Vacuum control up to 600 mmHg.
- Pleat dwell timers 0 – 999 seconds.
- Interlock safety feature monitor halts the machine.
- Emergency stop.
- CE certified.

Programmable Parameters

- Pleat/Fold starting diameter.
- Fold head close diameter.
- Pleat/fold close delays.
- Pleat/fold open close speeds.
- Pleat vacuum delay.
- Pleat/fold dwell times.
- Pleat/fold min/max force alarms.

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.

Summary of Spec Data

<i>Power Requirements</i>	110 or 220 VAC
<i>Pneumatic Requirement</i>	100 psi
<i>Thermal Compression Control</i>	Ambient to 212°F (Ambient to 100°C)
<i>Balloon Pressure</i>	0 - 100 psi
<i>Balloon Vacuum</i>	Up to 600 mmHg
<i>Pleat Dwell Timers</i>	0 - 999 sec
<i>Units of Measure</i>	User Selectable
<i>Profile Storage Capacity</i>	100
<i>CE Certified</i>	Yes
<i>General Warranty</i>	1 Year

FFS775S Machine Dimensions

- Shipping Weight: 178lbs (81kg)
- Machine Weight: 148lbs (67kg)
- Height: 14" (356mm)
- Width: 28" (711mm)
- Depth: 26" (660mm)

FFS875S Machine Dimensions

- Shipping Weight: 192lbs (87kg)
- Machine Weight: 166lbs (75kg)
- Height: 14" (356mm)
- Width: 28" (711mm)
- Depth: 26" (660mm)