



The MSI FFS675S Lean Process PTA Balloon Catheter Pleating and Folding Equipment utilizes identical, independent machine bases with automated product handling to cut process cycle times in half. Each base is capable of running the pleat or fold process and can be directly exchanged for one another creating a very flexible manufacturing platform. The machine can be configured with a variety of luer attachment fixtures in order to address full length or RX subassemblies.

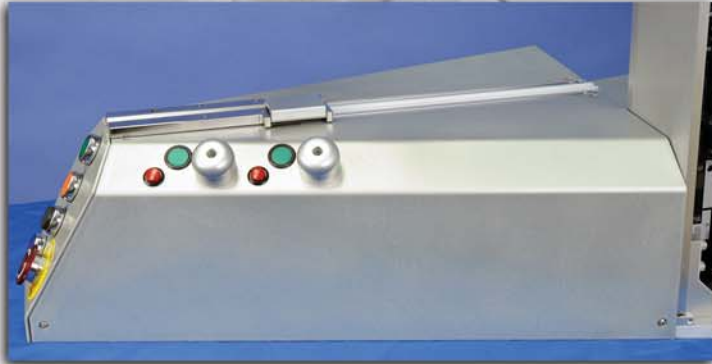
The FFS675S is PLC controlled with an industrial PC HMI touch screen user interface. The control system allows for multiple levels of security with easy recipe/profile creation and transfer between machines. Other capabilities for improved process efficiencies include bar code scanning, integrated vision assist, networking and data output.

FFS675S Features

- **Footprint and layout for lean manufacturing.**
- **PLC control with servo motor activation.**
- **Automated product handling with integrated balloon support.**
- **Automated force calibration.**
- **Barcode scanning.**
- **Vision assistance.**
- **Networking capabilities.**
- **Stores up to 999 recipes.**
- **Multiple levels of security.**

FFS675S

Balloon Catheter Pleating & Folding Equipment



Summary of Spec Data

Control System	PLC control with industrial PC HMI Stores up to 999 recipes
Head Length	Configured for a specific head length
Pneumatic Requirement	Standard shop air, clean & dry
Data Storage & Networking	Ethernet, USB thumb drive
Balloon Pressure / Vacuum	0-50 PSI (standard) / up to 600mmHg (at sea level)
Balloon Pressure Accuracy	±1% of full scale (0.2% linearity, 0.2% repeatability, 0.5% hysteresis)
Temperature Range	Room temperature to 100°C (over temp limited to 125°C)
Temperature Accuracy	±2°C
Units of Measure	Selectable
General Warranty	1 Year

FFS675S Machine Dimensions

- Shipping Weight: 165 lbs (75 kg)
- Machine Weight: 135 lbs (61 kg)
- Height: 28 in (711mm)
- Width: 24 in (610 mm)
- Depth: 38 in (965 mm)

FFS675S Equipment Specifications

Form/Fold/Set Base Unit Specifications

- Servo controlled base accommodates one (1) interchangeable pleat or fold head.
- Digital encoder readout for pleat/fold head diameter position.
- Manual product alignment with assistance from a 10x zoom camera.
- Automated handling system with integrated balloon support.

Programmable Parameters

- Pleat/fold open and close speeds.
- Pleat/fold head dwell and close delay timers.
- Pleat/fold force alarm.
- Temperature.
- Balloon pressure.
- Vacuum delay.

Pleat Head Specifications

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

Fold Head Specifications

- Folding mechanisms with open diameter of 8.0 mm.
- Ten segment heated stainless steel fold head design.
- Heater junction box with LED indicators.

Options

- Press-Sure™ Catheter Sealing System.
- Mandrel detector on rear of pleat/fold head.
- Integrated barcode scanning.

Inputs / Outputs

- MES option – various manufacturers.

Operating Environment

- 60-75°F (15-24°C).
- 0-85% RH, non-condensing.

Line Voltage/Power

- 220 VAC 50/60Hz.

Storage Temperature

- 32-120°F (0-48°C).

Safety Features

- Category III safety circuit.
- Polycarbonate safety covers with interlock switches.
- CE compliant.