



The MSI FFS975S Drug Eluting Balloon Pleating and Folding Equipment is the industry's first and only system specifically designed for processing DEB/DCB products. The FFS975S expands upon industry proven technology with the addition of integrated film, which protects balloon coatings from damage and eliminates the potential for cross contamination that can occur with conventional pleat/fold methods.

The FFS975S is PLC controlled with an industrial PC touch screen user interface. All process parameters are PLC controlled and stored/recalled per recipe eliminating any manual setup when changing product sizes. The PC HMI allows for optional barcode scanning and networking with local and server based data management systems.

FFS975S Features

- **Integrated film systems protect drug coatings**
- **PLC control with PC HMI**
- **All process parameters recipe driven**
- **Automated force calibrations**
- **Multiple levels of security**

FFS975S

Balloon Catheter Pleating & Folding Equipment



Summary of Spec Data

Pleat/Fold Head Length	180mm (custom lengths available)
Thermal Control	Ambient to 100°C
Head Activation / Diameter Control	PLC controlled servo motors
Balloon Pressure	0 – 50 PSI
Balloon Vacuum	Up to 600mmHg (at sea level)
Profile Storage	Up to 1000
Pleat / Fold Force	Up to 100 lbs
Data Acquisition & Networking	Optional
Control System	PLC with PC HMI
Power Requirements	240 VAC 50/60Hz
General Warranty	1 Year

FFS975S Equipment Specifications

Form/Fold/Set Base Unit Specifications

- Motor encoder used for diameter control.
- Thermal compression control adjustable from Ambient to 100°C.
- Manual catheter handling system with swivel V-block design.
- Manual catheter clamp system with high strength magnets.
- Automatic force calibration via serial communication.
- 100lbs pleat/fold force.
- Vacuum control up to 600mmHg.
- Pleat dwell timers 0 – 999 seconds per stage.
- Multiple levels of security.

Programmable Parameters

- Pleat head starting diameter.
- Vacuum delay time.
- Pleat/fold head dwell time.
- Pleat/fold head delay.
- Pleat/fold force alarms.
- Pleat/fold open/close speeds.
- Film tension.
- Film distance.
- Integrated pleat/fold temp controls (PID loop in the PLC).
- Integrated balloon pressure control (Servo-Regulators).

Head Specifications

- One (1) stainless steel CAM style Wavepleat™ head with integrated film.
- One (1) stainless steel CAM style fold head with integrated film.
- Servo driven spooling system.
- LED heater junction box.

Options

- Barcode scanning.
- Vision alignment.
- Dual luer connection.

Safety Features

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

FFS975S Machine Dimensions

- Shipping Weight: 480 lbs (218 kg)
- Machine Weight: 385 lbs (175 kg)
- Height: 23" (584 mm)
- Width: 40" (1016 mm)
- Depth: 30" (762 mm)