



The MSI FFS workstation equipment is our complete manufacturing solution for pleating and folding angioplasty or stent delivery balloon catheters. The equipment is servo motor driven and controlled by a touch screen PC. The workstation technology incorporates advanced process controls and data acquisition capabilities including: barcode scanning capabilities and light curtain feature.

Our FFS workstation technology allows for multiple pleat head configurations on the same equipment base thus increasing equipment capabilities and eliminating any down time during equipment changeovers. PC controls allow for data collection of the applied force to activation arms and diameter settings during pleating and folding.

### ***WS1175/1275 Features***

- **Interchangeable Wavepleat™ with multiple pleat head capabilities.**
- **Automated catheter travel between pleat and fold heads.**
- **Vision assistance for catheter positioning.**
- **Bar scanning option for process setup.**

# FFS WS1175/1275

## Balloon Catheter Pleating & Folding Equipment



### Summary of Spec Data

<i>Power Requirements</i>	110 or 220 VAC
<i>Pneumatic Requirement</i>	120 psi
<i>Thermal Compression Control</i>	77°F to 212°F (25°C to 120°C)
<i>Balloon Pressure</i>	0 - 110 psi
<i>Balloon Vacuum</i>	up to 600 mmHg
<i>Pleat Dwell Timers</i>	Unlimited
<i>Units of Measure</i>	User Selectable
<i>Profile Storage Capacity</i>	Dependent on PC or Network Hard Drive Space
<i>CE Certified</i>	Yes
<i>General Warranty</i>	1 Year

### Machine Dimensions

- Shipping Weight: 810lbs (367kg)
- Machine Weight: 450lbs (204kg)
- Height: 64" (1626mm)
- Width: 65" (1651mm)
- Depth: 31" (787mm)

### WS1175/1275 Equipment Specifications

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

- Precision bushing and guide pin alignment for all interchangeable components (pleat head, fold head, catheter handling system). (+/-).003".
- Thermal control adjustable from 25°C to 120°C.
- Software controlled open/close diameters (+/-) .001".
- Fold force capability 75lbs.
- Vacuum to 600 mmHg.
- Automated catheter handling and clamping system.
- Vision assistance (10X).
- Pneumatic connectors with active vacuum indicator lights.
- Barcode scanning capability.
- Light curtain.

#### *Programmable Parameters*

- Pleat/fold head dwell timer.
- Pleat/fold head delay time.
- Pleat and fold head diameter calibration.
- Metric or English units for diameter and length.
- Vacuum delay.
- Adjustable pleat/fold head close speed.
- Product advance speed.

#### *Pleat Head Specifications*

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

#### *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 elements monitored with PC software.
- Force monitoring from activation load cell.