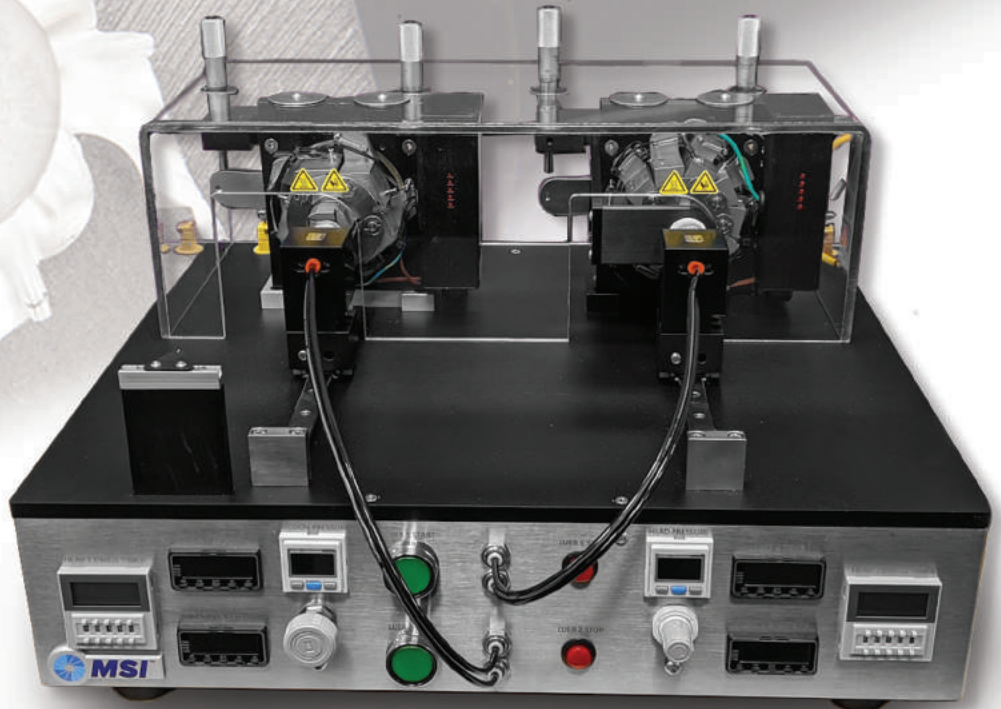
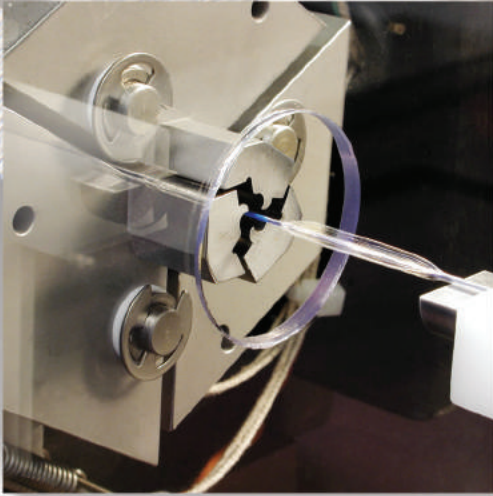


FFS200i

Balloon Catheter Pleating & Folding Equipment



The MSI FFS200i allows customers to double balloon pleating and folding production rates with a simple to use, easy to validate machine base featuring MSI's proprietary WavePleat™ technology.

This equipment is ideal for R&D or mid-volume production where the folded balloon properties are critical. The FFS200i is pneumatically operated, independently activated and accepts a wide variety of head lengths and diameters. Each Wavepleat™ head is designed to specific balloon dimensions to assure accurate and repeatable processing with the lowest possible folded balloon profiles.

The "i" in FFS200i represents the ability to independently activate each head and handling system. This important distinction can cut takt times in half by simultaneously running pleat and fold dwell times. This efficient design change allows overlapping processing of two products which reduces overall cycle time and increase throughput.

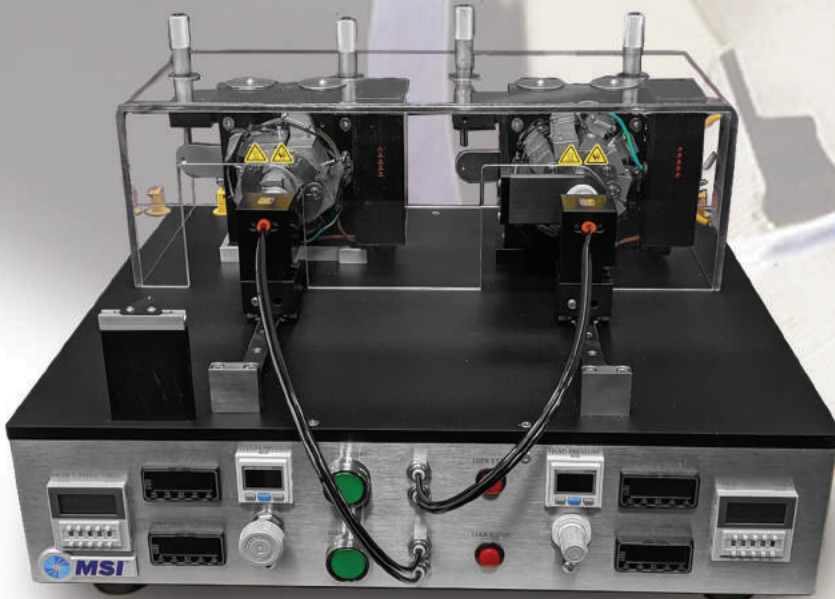
The quick swap handling system includes location sensors which auto close the head once product is in place, providing a smooth operator experience and eliminating the need for a foot switch. The system is capable of running complete balloon catheters or balloon subassemblies.

Product Features

- Double productivity with independent pneumatic pleat/fold.
- Accurate and repeatable process
- Lowest possible folded balloon profile
- Pleat and Fold lengths up to 350mm
- Easy to use and validate

FFS200i

Balloon Catheter Pleating & Folding Equipment



Balloon Pressure	0 - 60 psi
Balloon Vacuum	Up to 600 mmHg
Thermal Compression Control	Ambient to 100°C
Pleat/ Fold Dwell Timers	0 - 99.9 sec
Power Requirements	110 or 220 VAC
Pneumatic Requirements	100 psi
General Warranty	1 Year

Machine Dimensions

Varies with head length

- Shipping Weight: 116lbs (53Kg)
- Machine Weight: 75lbs (34Kg)
- Height: 13.0" (330mm)
- Width: 22.0" (559mm)
- Depth: 19.0" (483mm)

FFS200i Equipment Specifications

Form/Fold/Set Base Unit Specifications

- Pneumatic controlled base with interchangeable pleat & fold heads.
- Micrometer stop for fold head compression diameter control.
- Automatic head activation.
- Pressure regulator control from 0 - 100 psi.
- Emergency stop.
- Options to run sub-assemblies or completed balloon catheters

Programmable Parameters

- Pleat/ fold head activation pressure.
- Pleat/ fold head dwell timer.
- Thermal head controls.
- Balloon pressure.

Pleat Head Specifications

- One (1) WavePleat™ head with customer specified pleat/ segment design.
- Open diameter stops.
- Heater junction box with LED indicators
- Balloon pressure.

Fold Head Specifications

- One (1) Folding mechanism with PTCA or PTA opening diameter and up to 350mm in length.
- Ten segment heated stainless steel fold head design
- Heater junction box with LED indicators

