

Datasheet PTF-240-M

Balloon Pleat & Fold Machine



INNOVATIVE DESIGN

Innovative features for changing pleater setup in a matter of seconds.

HIGH QUALITY BUILT

The PTF-240-M is built with a very high-quality benchmark resulting in a stable and robust design with minimal cost of ownership.

SOFTWARE

Easy to use interfacing software with recipe control. Barcode scanners are support as standard.

CONTACT

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- 10" color touch panel interface with parameter setting and recipe control
- Servo controlled zero-gap MPT Europe BV design fold head with stainless tool steel blades and high-wear resistant low friction coating
- Innovative design for quickly exchanging the pleater setup from 3 ,4 ,5 or 6 pleats
- Double inflation / deflation ports with programmable pressure over the software recipes

Robust and stable catheter balloon pleat and fold machine designed to provide the user with an effective and reliable production machine for pleating and folding catheter balloon products with minimal cost of ownership.

The PTF-240-M can pleat and fold balloons with a length of approx. 220 mm. The balloon products are clamped on a stable product table with guide-plate system for easy positioning.

The pleat heads can be 3-,4-,5- or 6-fold design and uniquely can be interchanged in a matter of seconds. The connectors for the optional heating on the heated pleat heads and the thermocouples are plugged in automatically (pneumatic activation)

The pleat heads can optionally be heated (max. 90C). When heated the pleater blades are made of a stainless tool steel. Non heated pleat heads have PETP contact material.

The fold head is servo controlled and can be used in diameter mode or in force mode. The zero gap fold head design is extremely stiff and has a software option to have dynamic diameter compensation. The fold head can be heated to a maximum of 90 °C.

The machine can be equipped with a servo controlled pleater module (option. normally servo-pneumatic) and that option enables the use of Clock Wise (CW) or Counter Clock Wise (CCW) pleat heads. The direction of the installed pleater is then automatically detected on initialization.

SAFETY

Standard equipped with a safety covers fitted with coded magnets.

HEATING

Fold head heating is standard and optionally the pleater modules can be fitted with a heating system.

USER INTERFACE

Large 10" full color touch screen user interface for easy overview of the machine behavior.

CLEANROOM

The design is optimized for use in cleanrooms and can be very easily wiped and cleaned due to the smooth and closed surfaces.

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Technical Specification PTF-240-M Balloon Pleat & Fold Machine

Balloon pleater & fold head size	240 mm length maximum opening 30 mm
Maximum balloon length	Approx. 220 mm (depending on cone angles)
Number of pleats	3-,4-,5- or 6-pleats with pre-shape
Heating on the pleat head	Optional. Maximum temperature 90 °C
Heating on the fold head	Standard. Maximum temperature 90 °C
Fold head control	0.1 mm – 30mm servo controlled +/- 0.02 mm @ 100N. accuracy Dynamic Diameter Compensation (DCC) available 1 point fully automated diameter calibration 1000N radial force max.
Pleat head control	Servo pneumatic optionally servo controlled with CW/CCW pleater option
Product inflation/deflation	2 ports (max. 6 bar / minimum -0.8 bar)
GUI	10" colour touch panel
Control software	Recipe based Password levels (operator, engineer, calibrator) Remote support option
Ethernet	2x
USB	4x
Required air pressure	7 bar minimum
Power supply	115 / 240VAC / 0.8kW
Safety systems	Covers with coded magnet and safety PLC circuit

