

Datasheet PSM-500-SD

Parison Stretching Machine



INNOVATIVE DESIGN

Innovative features for a better controlled and better parison stretching.

HIGH QUALITY BUILT

The PSM-400-S 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. Software settings on first and second stretch.



- 10" color touch panel interface with parameter setting and recipe control.
- Fast and powerful servo-controlled axis for repeatable and reliable stretching of the parison materials during the forming process.
- Innovative pre-heating system for better parison stretching results.
- Easy to change split die with stable and robust design for reliable production.

Parison stretching is an integral part of balloon blowing. Therefore Medical Production Technology Europe BV has put its innovative design capability into the build and design of the PSM-500-SD parison stretching machine

The PSM-500-D is developed to be used together with the BFM-500-S Balloon Forming Machine.

The machine provides a split die technology parison stretching machine that gives optimal stretching results without some of the drawbacks of the current available machines.

The machine is fully servo controlled and can stretch parisons with forces up to 500N. An accurate and easy to control sensor system allows for a well defined secondary stretch and thus repeatable parisons. All parameters are recipe controlled.

An innovative pre-heating system ensures the stretching dies do not damage the parison material prior or during the stretching in any way.

This prevents pollution of the stretching dies and as such prevents down-time on the production lines and reject products.

The stretching dies can easily be removed and replaced with different dimensioned dies. The highly polished dies can be quickly made at your specific dimensional requests.

The machine is of very high build quality and combined with the Medical Production Technology Europe BV general design philosophy it is the perfect solution for your parison forming demands.

CONTACT

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SAFETY

Standard equipped with a safety covers fitted with coded magnets.

DIE HEATING

The small split drawing dies heat up very quickly and can be interchanged without removing thermocouples or heater elements.

USER INTERFACE

Large 10" full color touch screen user interface for easy overview and control 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 PSM-500-SD Parison Stretching Machine

Stretch technology	Heated split die drawing principle
Split die material	Stainless tool steel with high polished draw cavity
Maximum tube diameter	6.5 mm (optional larger diameters possible)
Minimum parison length	7 mm (when using the transition sensor)
Maximum parison length	100 mm (when using the transition sensor)
Stretch force	500 N maximum.
Stretch speed	25 mm/s maximum (servo controlled)
Stretch length	500 mm maximum single sided
Clamping	Self-aligning clamp
Stretch Temperature	20 °C – 220 °C +/- 0.5 °C
Pre-heat system	20 °C – 220 °C +/- 0.5 °C with adjustable time and stroke
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 magnets and safety PLC circuit

