

USER-DRIVEN PRODUCT INNOVATION AND ENGINEERING

NON STOP+ DRUM MELTER

PS 20⁺
Non Stop FOAM

CONNECTIVITY
EFFICIENCY
MODULAR DESIGN
SAFETY



PS20⁺
Non Stop FOAM

NON STOP⁺ FOAM DRUM MELTER

For 20 kg **PUR adhesive blocks**. Melter designed for the most demanding production environments, such as the **automotive sector, wood or other special applications**.

The foaming process consists on mixing the hot melt adhesive with inert gas under certain conditions of pressure and temperature. Once the mixture is applied, the gas expands creating a close-cells structure (foam).

A direct application system without recirculation is used for applying foam. This system offers a stable mixture of gas and adhesive both in percentage and in equal distribution.

MAIN

CONNECTIVITY AND HIGH PERFORMANCE

The new Meler electronic platform offers total integration of the melter into automated production lines. As a result, it increases the overall traceability of the production process and improves the quality of the end product.

- Integration on main interface by **remote control**
- **REAL-TIME data monitoring:** melter and pump parameters, temperature control, gas pressure, etc.
- Intuitive **touch screen** control panel
- **Several profiles** according to user
- Multiple **communication protocols** (MODBUS RTU, PROFIBUS, PROFINET, ETHERNET IP)



EFFICIENCY AND TECHNICAL RELIABILITY

The new PS20 NS+ FOAM offers optimised melting capacity, reducing energy consumption to a minimum.

- **Continuous** block production of **PUR, reactive polyolefin and non-reactive** adhesives
- **MELT-ON-DEMAND** feature: smart melting for adhesive care
- **NON-STOP** system to avoid unwanted machine stops
- **Leak tight design** of melter assembly and cover
- **Minimum** energy consumption



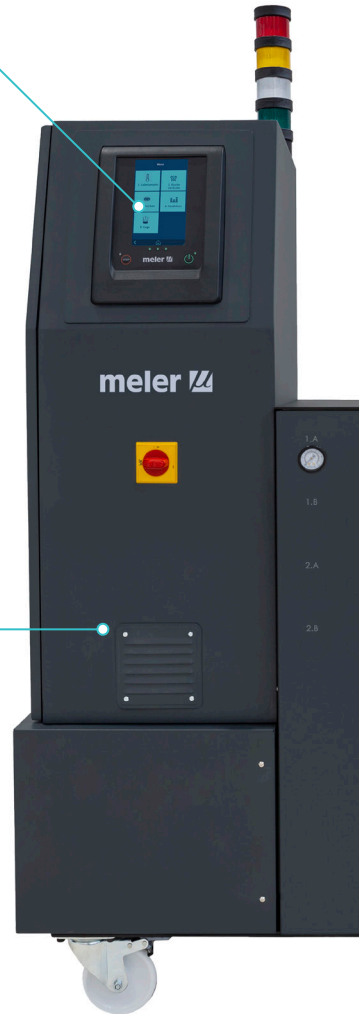
SAFETY GUARANTEE

The new design, based on user experience, guarantees optimum safety.

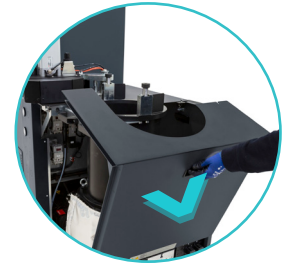
- Incorporation of **protective parts**
- User **autonomy**
- **Casing design** that simplifies assembly
- **Real-time display** of the overall status of equipment

FLEXIBLE SETTINGS

- Improved compatibility
- Up to 6 electrical channels
- Wide range of pumps (foam pumps & standard gear pumps)
- Customisable application modes via inhibition groups



Its new features are centred on connectivity, modularity, safety and user experience improvements.



MODULAR DESIGN

The modular design is synonymous with technical efficiency. The components, assembly and materials are especially designed with **EASY-CLEAN technology** to guarantee the **user efficient cleaning** and **optimum maintenance**. It allows simultaneous maintenance and continuous production. It **reduces equipment assembly times and maintenance costs**.

EASY-CLEAN
Technology



TOTAL ACCESSIBILITY
to the interior equipment



INCREASE OPEN TIME

More adhesives range can be used



VOLUMETRIC INCREASE

After being applied, its volume increases, providing a hermetic seal in the cavities.



UNIFORMITY

Thanks to the direct system, constant gasification values are obtained allowing high application speeds.



REDUCE ADHESIVE CONSUMPTION

Up to 65%, depending on the adhesive



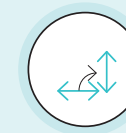
FOAM HIGHEST QUALITY

The foam generated is applied directly without recirculation, obtaining great uniformity.



FAST ADJUSTMENT

Only 3 parameters are adjusted for the operation of the equipment: Temperature, mixing pressure and gas pressure.



VERTICAL APPLICATION

More consistency on vertical surfaces



OPTIONS

- Integration with the **STARBI pattern controller system**
- Communications
- Other functions on request

NEW FEATURES

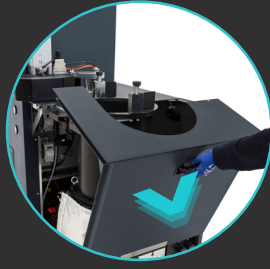
- **Maximum opening** of melter assembly (120°)
- Non-stick surfaces
- **Removable elements:** distributor and grill (Plug&Play)
- **Versatility of casing** with hinged, removable doors permitting the clean-in-place process
- Excellent **user experience**

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GLUING SOLUTIONS

KEY ASPECTS



CONNECTIVITY



MODULAR DESIGN

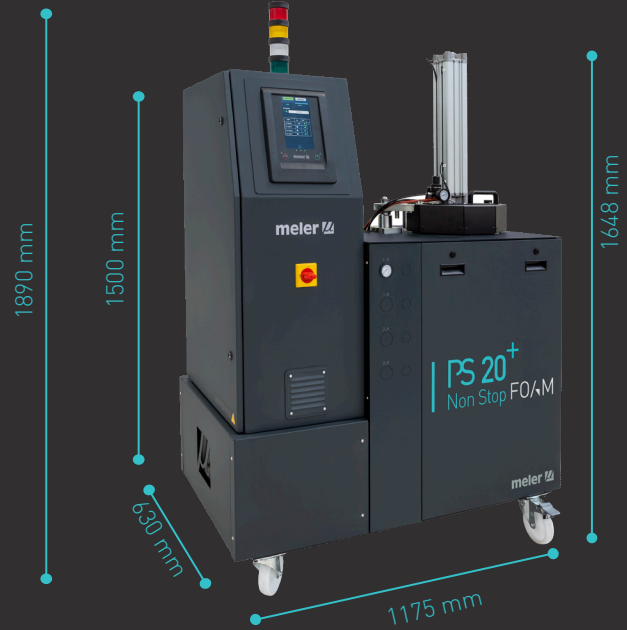


EFFICIENCY



SAFETY

DIMENSIONS



TECHNICAL FEATURES

Main tank volume	Ø286 x 395 mm (20 kg blocks)	
Melting reservoir tank volume	3.5l (used) • 6.5l (max.)	
Foam Pumping capacity (*) (1 or 2 pumps)	1,6 • 3,3 • 6,6 • 9,9 cc/rev 1,6 • 3,3 • 6,6 • 9,9 cc/rev high ratio	
Standard Gear Pumping capacity (*) (only 2nd pump)	1 • 2.5 • 4 • 8 • 15 cc/rev single pump 2x0.93 • 2x1.86 • 2x3.71 • 2x4.8 cc/rev double pump	
Melting rate (*)	Up to 18 kg/h	
Number of pumps	1 foam pump • 2 foam pumps • 1 foam pum + 1 standard gear pump	
Number of hydraulic outputs	2 per pump	
Number of electrical outputs	2 • 4 • 6 outputs (standard version)	
Speed	10-80 rpm (range 0-100 rpm)	
Temperature range	From 0°C to 200°C	
Temperature control	RTD ±0,5°C (Pt100 • Ni120 • NTC)	
Maximum power pressure	80 bar	
By- pass valve	Pneumatic or mechanical	
Maximum power supply	1 foam pump / 2 outputs > 4.7kW/ per phase 2 foam pumps / 6 outputs > 8.7kW/ per phase	
External functions	Input	External ON/OFF • Standby • Activity control • Pumping OFF • Inhibition of Zones • VP Control • ON/OFF communications • External speed control • External Pumping control • Proportional Valve control • Pumping mode operation (rpm or pressure control)
	Outputs	Low level • Machine Ready • Alarm • ON/OFF • Adhesive block nearly empty • Adhesive block empty • Drive error • Gas pressure • Foam pressure.
Electrical requirements	3N ~ 400V 50/60 Hz + PE (please consult on other voltages)	
Options	Pneumatic by-pass valve pressure control system, communication protocols (Modbus RTU, Profinet, Ethernet IP, Profibus), StarBi pattern controler.	

(*) According to adhesive type and working conditions.

Patent pending