EMPOWERING MELTERS
EMPOWERING WHAT MATTERS

MELER

MICRON+ FOAM

THE FIRST COMPACT FOAM MELTER TO OFFER DOUBLE SAVINGS

gluing solutions partner Your gluing solutions partner Your gluing solutions partner Your gluing solu



MICRON
by meler

MICRON+ FOAM

INCREASED EFFICIENCY, HIGHER PRODUCTIVITY

The combination of two cutting-edge technologies: the efficiency of **Micron+** and the productivity of **Foam**

60%

MICRON+ TECHNOLOGY

THE BEST **ENERGY EFFICIENCY** ON THE MARKET

- The lowest energy consumption per kg melted/hour (60% energy savings compared to other equipment on the market).
- Automation of equipment status changes (up to 6 schedules and 6 status changes/day)

THE SAFETY OF **ADHESIVE CARE**

- Sequential zone heating
- Thermal homogeneity of the tank
- High adhesive flow rate

THE PEACE OF MIND OF **CONNECTING WITH WHAT REALLY MATTERS TO YOU**

- 7" touchscreen, preventive maintenance alerts, statistics and USB for updates, backup & datalogger
- Easy integration for Industry 4.0 (communication protocols)
- Real-time data monitoring

THE CONFIDENCE OF **BEING IN CONTROL**

- Advanced usability
- Password and user level management

TOTAL ACCESS





THE SUCCESS OF ACHIEVING MORE WHILE NEEDING LESS

±50%

FOAM TECHNOLOGY

THE PERFECT MIX OF GAS AND ADHESIVE

GETTING MORE

- **Increases the bead volume** and its contact area with the substrate with lower adhesive density
- Compatible with a wide range of **adhesives (PSA, EVA, PA)**
- **Greater flexibility in production**
  - Increased open time without changing adhesive
  - Dosing on inclined or vertical surfaces
  - Possibility of creating flexible joints between materials

USING LESS

- Adhesive savings (up to 50%)
- **Optimum adhesion** with less adhesive consumption
- Reduced **energy consumption** and **optimisation of resources**
- Reduced **environmental impact**

FOAM APPLICATION



MICRON+ FOAM

THE VERSATILITY OF A COMPACT FOAM SYSTEM

- Easy integration in small spaces
- Quick start-up
- Low energy consumption
- Simple maintenance

ENGINEERING FOR PRODUCTIVITY

- Configuration and control of pumping via touchscreen
- 3 pumps available (1.6, 3.3 and 6.6 cc/rev)
- Continuous foam pressure adjustment (manual or automatic*)
- Flexible configuration:
  - Up to 5 hose-applicator outlets/up to 5 electrical outlets
  - 5 pressure/speed ramp setting points

Powered by:

TOTAL ACCESS | energy efficiency | ADHESIVE SAVING

BENEFITS:

- FOAM ADHESIVE
- MAXIMUM ENERGY EFFICIENCY
- IMPROVES THE PROCESS PERFORMANCE
- MAXIMUM COMFORT
- MAJOR MOBILITY
- ADHESIVE SAVING
- CONNECTIVITY

APPLICATIONS:

AUTOMOTIVE



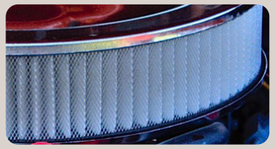
HOUSEHOLD APPLIANCES



ASSEMBLY



FILTERS

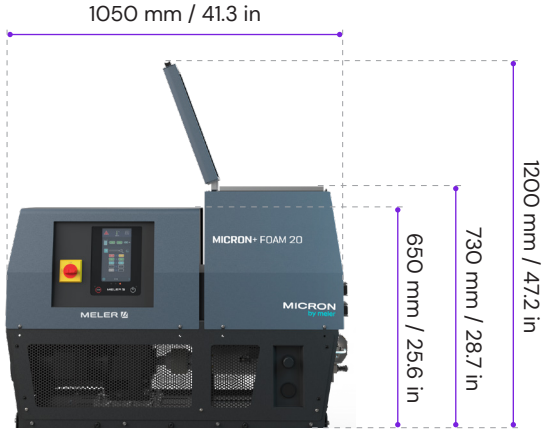


DIMENSIONS

MICRON+ FOAM 10



MICRON+ FOAM 20



TECHNICAL CHARACTERISTICS

	MICRON+ FOAM 10	**MICRON+** FOAM 20
Tank capacity	9.7 L / 2.6 gal	19.7 L / 5.2 gal
Pumping rate *	1.6-3.3-6.6 cc/rev	1.6-3.3-6.6 cc/rev
Melting rate *	13.5 kg/h / 29.8 lb/h	19 kg/h / 41.9 lb/h
Number of hydraulic outputs	4 (9/16 thread)	4 (9/16 thread)
Number of electrical outputs	2-4-5	2-4-5
Temperature range (optional)	40 to 200 °C (104 to 392 °F) 40 to 230 °C (104 to 446 °F)	40 to 200 °C (104 to 392 °F) 40 to 230 °C (104 to 446 °F)
Temperature control	RTD ± 0.5 °C (±1 °F) Pt 100-Ni 120-NTC R	RTD ± 0.5 °C (±1 °F) Pt 100-Ni 120-NTC R
Max. working pressure (at 6 bar)	85 bar (1233 psi)	85 bar (1233 psi)
Max. installation power		
Pump 3.3 • 2 outputs	4.5 kW - 1.8 kW - 3 kW	5 kW - 1.8 kW - 3 kW
Pump 3.3 • 4 outputs	4.5 kW - 3.6 kW - 4.8 kW	5 kW - 3.6 kW - 4.8 kW
Pump 3.3 • 5 outputs	4.5 kW - 5.4 kW - 4.8 kW	5 kW - 5.4 kW - 4.8 kW
Pump 6.6 • 2 outputs	4.5 kW - 1.8 kW - 3.4 kW	5 kW - 1.8 kW - 3.4 kW
Pump 6.6 • 4 outputs	4.5 kW - 3.6 kW - 5.2 kW	5 kW - 3.6 kW - 5.2 kW
Pump 6.6 • 5 outputs	4.5 kW - 5.4 kW - 5.2 kW	5 kW - 5.4 kW - 5.2 kW
External functions – INPUTS	Unit On/Off • Standby On/Off • Activity Control • Pumping On/Off • Communications On/Off • Electrical Outputs Inhibition • Reset Alarms • External pressure/speed control • External pumpig control • Pumping mode	
External functions – OUTPUTS	Standby • Zones Temperature OK • Machine Ready • Running • Alarm • Level • No Level • Foam pressure • Gas Pressure • Pumping drive error	
Electrical requirements	3N ~ 400V 50/60Hz + PE	3N ~ 400V 50/60Hz + PE
Environment temperature	0 to 40 °C / 32 to 104 °F	0 to 40 °C / 32 to 104 °F
Dimensions (L x A x H)	1050 x 460 x 650 mm / 41.3 x 18.1 x 25.6 in 1050 x 460 x 1060 mm / 41.3 x 18.1 x 41.7 in (lid open)	1050 x 460 x 730 mm / 41.3 x 18.1 x 28.7 in 1050 x 460 x 1200 mm / 41.3 x 18.1 x 47.2 in (lid open)
Weight	180 kg / 397 lb (empty)	210 kg / 463 lb (empty)

OPTIONS

- Level sensor (capacitive or float), safety beacon, dry air system, industrial communications and/or Wi-Fi, removable HMI, integrated StarBl, pneumatic bypass, pellet feeder.
- Electrical power connection: 3-phases 230 VAC without neutral (Maximum connection power for each hose/applicator pair: 1100W).

(*) Depending on the type of adhesive.

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