

EMPOWERING MELTERS
EMPOWERING WHAT MATTERS

MICRON
by meler

MICRON+ FOAM

THE FIRST COMPACT FOAM
MELTER TO OFFER DOUBLE
SAVINGS

gluing solutions partner Your gluing

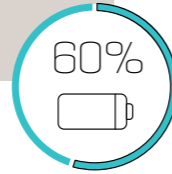
solutions partner Your gluing solu



MICRON+ FOAM

INCREASED EFFICIENCY, HIGHER PRODUCTIVITY

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



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

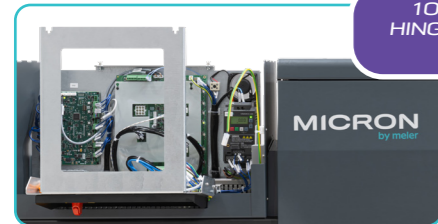
THE PEACE OF MIND OF CONNECTING WITH WHAT REALLY MATTERS TO YOU

- ◆ 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



100% FRONT HINGED ELECTRIC CABINET

THE SUCCESS OF ACHIEVING MORE WHILE NEEDING LESS.



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
 - Increased penetration

USING LESS

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

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



QUICK CONFIGURATION OF TEMPERATURES AND HEATING MODES

PSA, EVA, PA

TYPE OF ADHESIVE

Powered by:



BENEFITS:

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

APPLICATIONS:

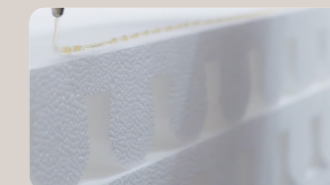
AUTOMOTIVE



HOUSEHOLD APPLIANCES



ASSEMBLY



FILTERS

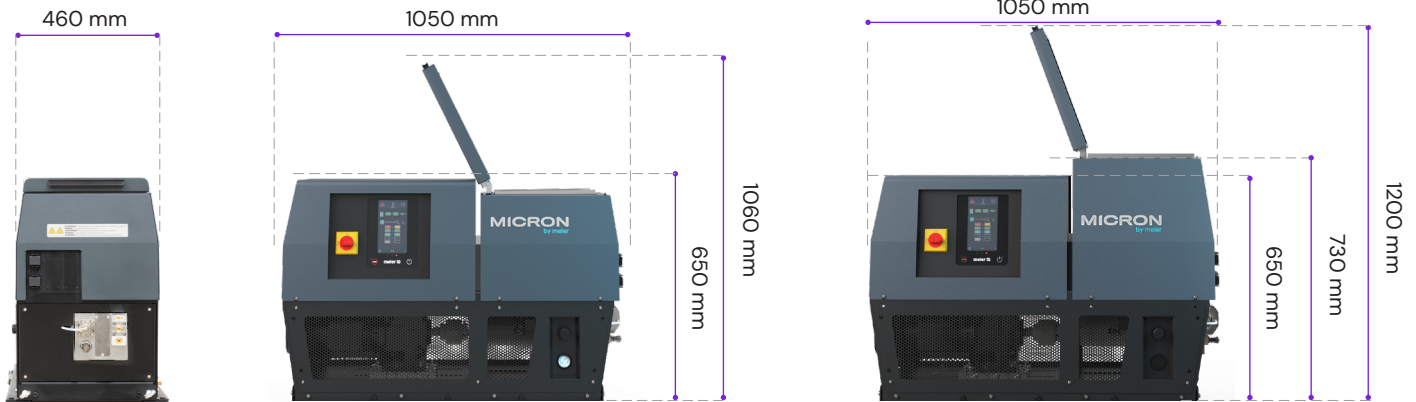


MICRON+ FOAM

DIMENSIONS:

MICRON+ FOAM 10

MICRON+ FOAM 20



180 Kg

210 Kg

TECHNICAL CHARACTERISTICS:

MICRON+ FOAM 10

MICRON+ FOAM 20

Tank capacity	9,7 liters	19,7 liters
Pumping rate	1,6-3,3-6,6cc/rev(*)	1,6-3,3-6,6cc/rev(*)
Melting rate	13,5 kg/h (*)	19 kg/h (*)
Number of hydraulic outputs	4 (thread de 9/16)	4 (thread de 9/16)
Number of electrical outputs	2-4-5	2-4-5
Temperature range (optional)	40 to 200°C (104 / 392 °F) 40 to 230°C (104 / 446 °F)	40 to 200°C (104 / 392 °F) 40 to 230°C (104 / 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 (1.233 psi)	85 bar (1.233 psi)
Max. installation power		
	Pump 3,3 • 2 outputs 4,5KW - 1,8KW - 3KW	5KW - 1,8KW - 3KW
	Pump 3,3 • 4 outputs 4,5KW - 3,6KW - 4,8KW	5KW - 3,6KW - 4,8KW
	Pump 3,3 • 5 outputs 4,5KW - 5,4KW - 4,8KW	5KW - 5,4KW - 4,8KW
	Pump 6,6 • 2 outputs 4,5KW - 1,8KW - 3,4KW	5KW - 1,8KW - 3,4KW
	Pump 6,6 • 4 outputs 4,5KW - 3,6KW - 5,2KW	5KW - 3,6KW - 5,2KW
	Pump 6,6 • 5 outputs 4,5KW - 5,4KW - 5,2KW	5KW - 5,4KW - 5,2KW
External functions:		
	Inputs Unit On-Off • Standby On-Off • Activity Control • Pumping On-Off • Communications On-Off • Electrical Outputs Inhibition • Reset Alarms • Externar pressure/speed control • External pumpig control • Pumping mode	Unit On-Off • Standby On-Off • Activity Control • Pumping On-Off • Communications On-Off • Electrical Outputs Inhibition • Reset Alarms • Externar pressure/speed control • External pumpig control • Pumping mode
	Ouputs Standby • Zones Temperature OK • Machine Ready • Running • Alarm • Level • No Level • Foam pressure • Gas Pressure • Pumping drive error	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	0 to 40°C
Dimension (LxAxH)	11050 x 460 x 650 mm 11050 x 460 x 1060 mm (lid open)	11050 x 460 x 650 mm 11050 x 460 x 1060 mm (lid open)
Weight	180kg (empty)	210kg (empty)
*Optional systems	Level sensor (capacitive or float), safety beacon, dry air system, industrial communications and/or Wi-Fi, removable HMI, integrated StarBI, pneumatic bypass, pellet feeder	