

DISCOVER THE NEW
MICRON + SERIES

Meler's **most awarded** series reinvents itself by adding advanced usability to energy efficiency and adhesive quality

GEAR PUMP SERIES

EFFICIENT / SAFE / CONNECTED

FLEXIBILITY

7" TOUCHSCREEN



ADVANCED USABILITY THANKS TO AN UPDATED CONTROL PANEL:

7" touchscreen

- Durable screen
- Easy and intuitive operation
- Fast

Interface

- Simplified menu
- Fast programming
- Standardised for all Meler units

CONFIGURABLE

Configurable 3 outputs and 3 inputs

INTEGRATED PATTERN CONTROLLER*

DETACHABLE HMI SCREEN*

Together with the automatic feeder, it ensures greater operator safety by allowing them to work the controls at a distance away from the melter.

*Optional

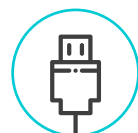


CONNECTIVITY

COMMUNICATIONS AND CONFIGURABILITY



Remote connection from any device and location.



Multiple communication protocols:

MODBUS RTU
PROFIBUS
PROFINET
ETHERNET-IP



ENERGY EFFICIENCY

LESS CONSUMPTION

All units in the Micron+ series are based on "MICRON TECHNOLOGY", aimed at reducing electricity consumption to a minimum.

CAREFUL TREATMENT OF THE ADHESIVE

Sequential heating.
Greater improvement to the unit's efficiency of use:

- Quality of the adhesive
- Durability of the materials
- Efficiency of the process
- Energy savings

The temperature is distributed uniformly over the entire contact surface of the tank, with no hotspots where the adhesive can degrade, for careful and efficient melting.

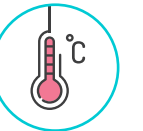
USE AND MAINTENANCE

Same functioning for all Meler units.

In very few steps, we get full access to the interior of the unit.

Cool Touch exterior housing ensures maximum operator safety.

The large tank lid opens fully, making it easier to charge and clean.



meler 
GLUING SOLUTIONS

MAIN CHARACTERISTICS

NEW FUNCTIONS

Micron + offers users new enhanced features.

- 9 languages
- Schedule
- Alarms
- Passwords

UNIT CONTROL

Micron + enables quick control of the unit with full information in one glance.

- Allows users to access each zone to make changes.
- Allows users to personalise the names of the areas.
- Controlled by main machine.
- Online interconnection.
- USB for updates, back-up and datalogger.

ADVANTAGES OF MICRON+

- The best energy efficiency on the market.
- Compact design makes it easy to integrate into any installation.
- Cool Touch exterior housing.
- Easy to use.
- Quick and easy to clean.
- Low maintenance cost and long useful life.
- Identical user controls/interfaces on all units.
- Units equipped for industry 4.0.



MEASUREMENTS OF THE EQUIPMENT

Micron+5 / Micron+10 / Micron+20 / Micron+35



TECHNICAL CHARACTERISTICS

	MICRON + 5	MICRON + 10	MICRON + 20	MICRON + 35
MELTING RATE*	9 kg/h	13,5 kg/h	19 kg/h	30 kg/h
PUMPING RATE*	SIMPLE PUMP: 1, 2.5, 4, 8 cc/rev / DOUBLE PUMP: 2x0.93, 2x1.86, 2x3.71, 2x4.8 cc/rev			
NUMBER OF OUTPUTS	2, 4 or 6 with one pump – 2 or 4 with two pumps			
TEMPERATURE RANGE	0 to 200 °C (32 to 392 °F)			
TEMPERATURE CONTROL	Pt100, Ni120 or NTC-R			
MAXIMUM WORKING PRESSURE (TO 6 BAR)	80 bar (1.160psi)			
MAXIMUM INSTALLATION POWER	1 simple pump/ 2 outputs 1 x 6,9KW/ 3 x 3,0KW	1 simple pump/ 2 outputs 1 x 8,0KW/ 3 x 4,0KW	1 simple pump/ 2 outputs 1 x 8,5KW/ 3 x 4,5KW	1 simple pump/ 2 outputs 1 x 10,0KW/ 3 x 4,3KW
	1 simple pump / 4 outputs 1 x 10,5KW/ 3 x 4,0KW	1 simple pump / 4 outputs 1 x 11,6KW/ 3 x 4,0KW	1 simple pump / 4 outputs 1 x 12,1KW/ 3 x 4,5KW	1 simple pump / 4 outputs 1 x 13,5KW/ 3 x 6,1KW
	1 simple pump / 6 outputs 1 x 14,2KW/ 3 x 5,8KW	1 simple pump / 6 outputs 1 x 15,2KW/ 3 x 5,8KW	1 simple pump / 6 outputs 1 x 15,6KW/ 3 x 5,8KW	1 simple pump / 6 outputs 1 x 17,2KW/ 3 x 7,9KW
	2 simple pumps / 2 outputs 1 x 8,3KW/ 3 x 3,3KW	2 simple pumps / 2 outputs 1 x 9,3KW/ 3 x 4,0KW	2 simple pumps / 2 outputs 1 x 9,8KW/ 3 x 4,5KW	2 simple pumps / 2 outputs 1 x 11,3KW/ 3 x 5,3KW
	2 simple pumps / 4 outputs 1 x 11,9KW/ 3 x 4,6KW	2 simple pumps / 4 outputs 1 x 12,9KW/ 3 x 4,6KW	2 simple pumps / 4 outputs 1 x 13,4KW/ 3 x 4,6KW	2 simple pumps / 4 outputs 1 x 14,9KW/ 3 x 7,1KW
EXTERNAL FUNCTIONS	INPUTS: Unit on-off / standby / activity control / pumping on-off / communications on-off / shooting inhibition (with pattern controller integrated / electrical outputs inhibition) OUTPUTS: Adhesive level (nc) / pumping on / standby on / temperature zones ok / alarms on / unit ready / adhesive level (no)			
ELECTRICAL REQUERIMENTS	1N ~ 230V 50/60Hz + PE / 3N ~ 400V 50/60Hz + PE / 3 ~ 230V 50/60Hz + PE			
WORKPLACE TEMPERATURE	0 to 40°C			

*Depending on the type of adhesive.