

DISCOVER THE NEW  
**MICRON +** SERIES

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

**PISTON 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 2 outputs  
Configurable 2 inputs  
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.

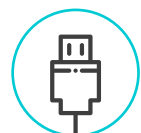
\*Optional

## CONNECTIVITY

### COMMUNICATIONS AND CONFIGURABILITY

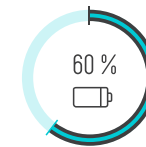


Remote connection from any device and location.



Multiple communication protocols:

**MODBUS RTU**  
**PROFIBUS**  
**PROFINET**  
**ETHERNET-IP**



## ENERGY EFFICIENCY

### 60% LESS CONSUMPTION

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

Consumes up to 60% LESS than the competition.

#### 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



■ "Close equipment"  
□ "Open equipment"

## TECHNICAL CHARACTERISTICS

Melting rate*	from 9.0 to 30 kg/h.
Pumping capacity*	29.3 kg/h for 7 cc pump (*); 66 kg/h for 19 cc (*) pump.
No. of outlets	2, 4 or 6 electrical outlets - 6 hydraulic outlets.
Range of temperatures	0 to 200°C (32 to 392° F).
Temperature control	Pt100, Ni120 or NTC-R.
Maximum working pressure (up to 6 bars)	81.6 bar (1183 psi).
External features	<p>INPUTS: unit on/off, standby, activity control (input signal for auto standby/off), pump on-off, coms on-off, inhibition of electrical outlets.</p> <p>OUTPUTS: low adhesive level, pump on, standby, temperature OK, temperatures at set points, error, level error (warning light), feeding fault.</p>
Electrical requirements	1N ~ 230V 50/60Hz + PE or 3N ~ 400V 50/60Hz + PE.
Options	<p>-Range of temperatures from 0 to 230°C (32 to 446°F).</p> <p>-VP-200 automatic pressure control.</p> <p>-Transformer base for 400 VAC without neutral (not available in 35 version).</p> <p>-Air intake filter.</p> <p>-Low level detector (not available in 230°C) or capacitive sensor with or without warning light.</p> <p>-Automatic adhesive feeder.</p>

\*Depending on the type of adhesive.