

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

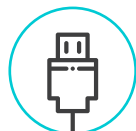


CONNECTIVITY

COMMUNICATIONS AND CONFIGURABILITY



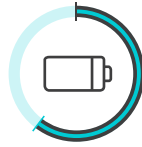
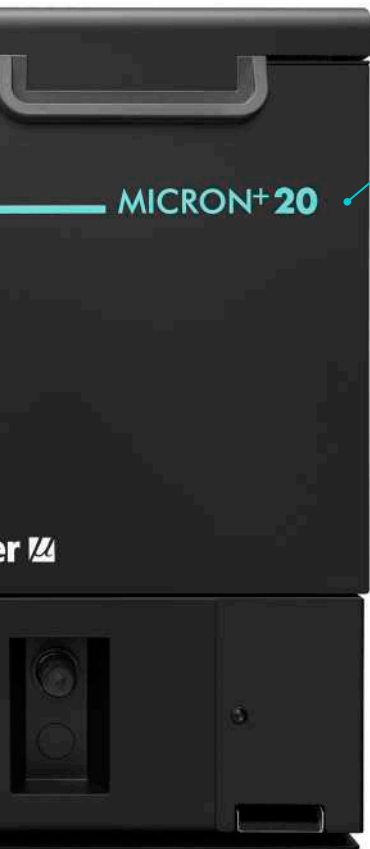
Remote connection from any device and location.



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.



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**.

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.

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) | 90 bar (1.305 psi) | | | |
| 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 | <p>INPUTS: Unit on-off / standby / activity control / pumping on-off / communications on-off / shooting inhibition (with pattern controller integrated) / electrical outputs inhibition</p> <p>OUTPUTS: Adhesive level (nc) / pumping on / standby on / temperature zones ok / alarms on / unit ready / adhesive level (no)</p> | | | |
| 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.