

EMPOWERING MELTERS
EMPOWERING WHAT MATTERS

MELER 

ADAPTABLE BY DESIGN.
EFFICIENT BY NATURE.

MICRON+ DRUM



MICRON
by meler

MICRON+ DRUM 200

200 L / 55 GAL

DESIGNED TO SIMPLIFY.
READY TO EVOLVE.

The **MICRON+ DRUM 200** drum unloader is a robust and adaptable solution for melting PUR, PO, PSA, EVA adhesives. Their modular design optimises their use from the simplest to the most demanding applications.

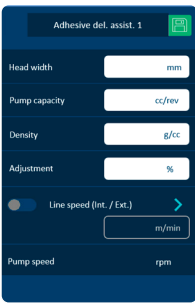


CUTTING-EDGE TECHNOLOGY

ADHESIVE CARE FEATURES

- **Sequential** zone heating.
- **Thermal homogeneity** of the melting plate.
- **Direct melting** of the adhesive from its own drum.
- Ejection of the melting plate by **automatic injection of air** to counteract the vacuum in the drum (it can also be operated manually).

CONTROL AND COMMUNICATION



WEIGHT CONTROL (ADA)

- **Accurate control** of the adhesive flow rate.
- Integrated in the **electronic platform**.
- **Automatic adjustment of pump speed** according to the required quantity.

STARBI TECHNOLOGY

- **Touchscreen programming** of channels and shots integrated into the display.
- **Intuitive controller** for multiple application patterns.

INTEGRATION AND CONNECTIVITY

- **Communication protocols** with the host machine.
- **Simple connection** between two devices for tandem operation.

OPTIMISED INTERACTION

- Password and user level management.
- 7" touch screen, preventive maintenance alerts and statistics.
- USB for updates, back-ups and data logger.

CONNECTIONS

- **Pt100, Ni120 and NTC probes**
- **Hydraulic:** 2 outlets per pump.
- **Up to 10 electrical outlets:** 2 at the top of the melting plate and the rest at the rear at 1,800 W.

INDUSTRY

- **Real-time data monitoring.**
- **Automation** of switching on and off for up to 6 schedules and 6 status changes per day.

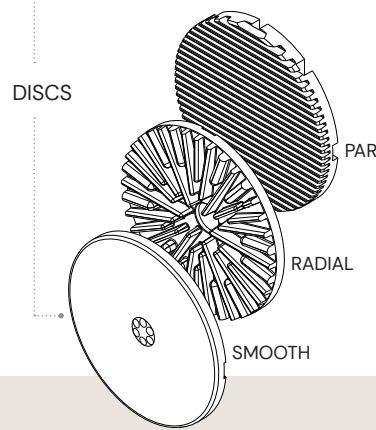
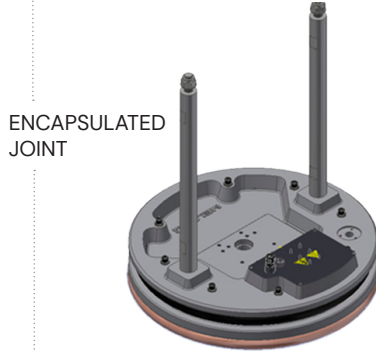
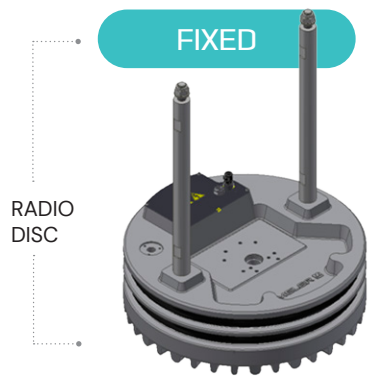
WE SELECT THE
SETTINGS FOR YOUR
SYSTEMS FROM A
VARIETY OF OPTIONS

CONFIGURATIONS

- Option to install up to two 15 cc pumps.
- Possibility of incorporating an extractor hood.
- Ability to work in tandem mode.
- Choice between fixed or variable speed.
- Drip-proof sheet metal alternative.
- Availability of different input voltages.
- Several types of clamps.
- Optional regionalised kit: ½" pneumatic connection, units in °F and pressures in PSI by default.
- Possibility to configure different disks according to your needs.

FROM THE ESSENTIAL
TO THE ADVANCED

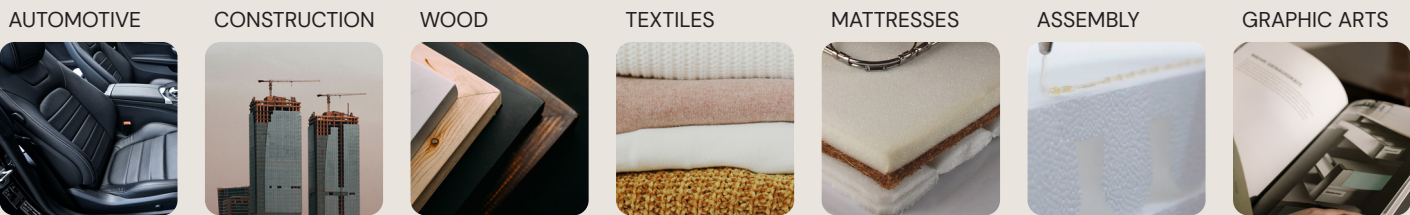
DISC OPTIONS



BENEFITS



APPLICATIONS



MICRON+ DRUM 200

200 L / 55 GAL



DIMENSIONS



TECHNICAL SPECIFICATIONS

Drum capacity		200 L / 55 gal
Drum dimensions		Ø 571 mm / Ø 22.5 in (inside)
Amount of residual adhesive in the drum (approx.) *		0.3 L (smooth) / 2.5 L (radial fins) / 4.5 L (parallel fins)
		0.08 gal (smooth) / 0.66 gal (radial fins) / 1.18 gal (parallel fins)
Disc options		Smooth / Radial fins / Parallel fins; Optional: encapsulated joint, removable plate
Melting capacity *		50 kg/h (smooth) / 150 kg/h (radial fins) / 180 kg/h (parallel fins)
		110 lb/h (smooth) / 330 lb/h (radial fins) / 397 lb/h (parallel fins)
Pumping capacity *	Single Pump	1 / 2.5 / 4 / 8 / 15 / 20 / 30 cc/rev
	Double Pump (per output)	2 x 0.93 / 2 x 1.86 / 2 x 3.71 / 2 x 4.8 cc/rev
Number of pumps		Up to 2 single pumps 15 cc/rev
Number of hydraulic outputs		2 per pump (3/4" UNF thread)
Number of electrical outputs **		2 / 4 / 6 / 8 / 10 (European connection)
		2 / 4 / 6 (American connection)
Pump speed		10–80 rpm (0–100 rpm range)
Range of temperatures		40 to 200 °C / 104 to 392 °F
Temperature control		RTD ±0.5 °C (±1 °F) Pt-100 / Ni-120 / NTC-R
Maximum working pressure (up to 6 bars)		80 bar / 1,160 psi
ByPass Valve		Mechanical (50 or 80 bar) / Pneumatic with pressure regulator
		Mechanical (725 or 1,160 psi) / Pneumatic with pressure regulator
Maximum installed power		40 kw
External features	Inputs	External ON/OFF / Standby / Activity Control / External OFF Pumping / External Speed Control / Zone Inhibition / VP Control / Dual Pressure System Control / Safety Circuit / Safety Circuit
	Outputs	Standby / Machine Ready / Running / Alarm / ON/OFF / Nearly empty drum / Empty drum / Pump drive failure
Electrical requirements		3L/N/PE ~ 400V 50/60Hz _ 3L/PE ~ 480V 50/60Hz
Room temperature		0 to 40 °C / 32 to 140 °F
Dimensions (L x W x H)		1,655 x 700 x 1,760 mm (bottom plate) / 1,655 x 700 x 2,780 mm (top plate)
		65 x 28 x 69 in (bottom plate) / 65 x 28 x 109 in (top plate)
Weight		780 kg / 1,720 lb

(*) Depending on the type of adhesive, type of melting disc and working conditions.

(**) All outputs have a maximum switching capacity of 1,800 W.