

YOUR GLUING
SOLUTIONS PARTNER

MELER 

MICRON+ TITAN 200

SIMPLICITY TO HELP YOU IN HIGH
CONSUMPTION PROCESSES



MICRON
by meler

MICRON+ TITAN 200

Melter equipment with a 200 litre capacity tank. For high demands of hot melt adhesive consumption, compatible for use in different formats (pellets, pillows and blocks).

ADVANCED MELTING TECHNOLOGY

MELTING TECHNOLOGY FOR ADHESIVE-INTENSIVE PROCESSES



ENERGY EFFICIENCY

THERMAL HOMOGENEITY AND MAXIMUM ADHESIVE CARE

The melting technology implemented in the Micron+Titan 200 offers you maximum quality in your production processes.

The tank has been designed according to energy efficiency parameters. A homogeneous temperature distribution at all points of the tank to guarantee optimum care of the adhesive and electricity consumption savings.

- **EFFICIENT HEATING MANAGEMENT:** sequential heating of the complete configuration.
- **MULTI-ZONE SYSTEM IN TANK AND GRID::** several control zones for sequential and efficient heating in tank and grid.
- **PERFIL TÉRMICO HOMOGÉNEO:** stabilises the temperature during the melting process, controlling the condition of the adhesive, preventing charring.
- **EFFICIENT TANK:** Optimised to reduce energy consumption
- **ADHESIVE FLOWRATE:** Improved adhesive flow output to the manifold.

MICRON+ PLATFORM

USABILITY AND TOTAL CONTROL TO OPTIMIZE YOUR WORK



MAXIMUM CONNECTIVITY FOR 4.0 INDUSTRY

Wide range of protocols allowing connection to the host machine.

- ModBus
- Profibus
- Profinet
- Ethernet-IP
- Ethercat



VP CONTROL FROM SCREEN

Bypass pressure variation, for adjusting the quantity of adhesive, automatically applied.

(+ 1 safety thermostat)



INTEGRATED STARBI

Tactile programming of channels and triggers. Easy to use, the StarBi trigger controller allows the programming of multiple trigger patterns.



ADA (ADHESIVE DOSIFICATION ASSISTANT)*

By entering the machine speed, grammage required and head width, the ADA will automatically calculate the required pump speed

Exclusive option for use with laminating heads

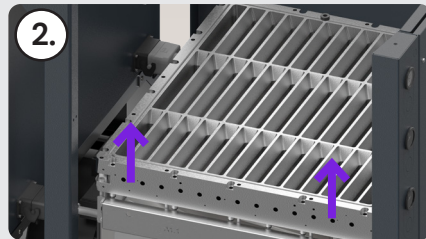
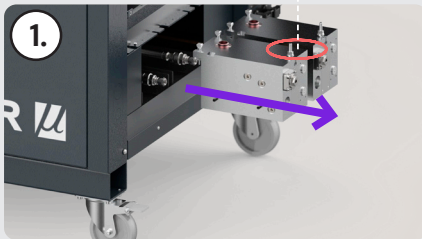
EASY CLEAN CONCEPT

SYSTEM TO ENSURE EASY CLEANING

The modular design of the Micron+ Titan 200 provides complete accessibility to all equipment components for easy and safe cleaning.

Grid with plug&play connector for direct and quick removal. Quick release fastening system for easy removal and handling.

- EASY ACCESS AND CLEANING
- REMOVABLE GRID (PLUG & PLAY)
- EASY OPENING FOR REPAIR
- REMOVABLE MANIFOLD



MODULAR DESIGN AND VERSATILITY

COMPACT DESIGN, CONFIGURABLE TO CUSTOMER REQUIREMENTS

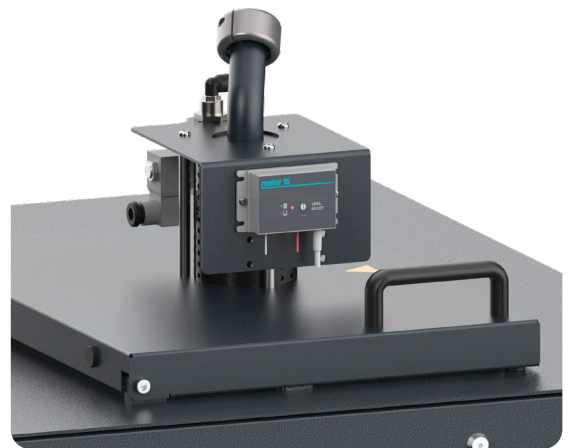
COMPACT SIZE

All the melting power in a compact size, the main design has been conceived to maximize its technical capabilities while optimizing the layout of the components.

ADAPTABLE TO ANY INDUSTRIAL NEED

Modular design and high melting capacity to offer a versatile and functional solution. Thanks to its design and wide range of options, Micron+ Titan can be configured to the industrial specifications you need.

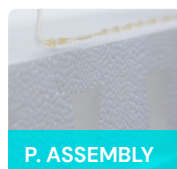
- Up to 4 pumps (single/double pumps)
- Configurable up to 4 VP
- Automatic feeder
- Communication protocols
- Integrated StarBi
- Up to 8 electrical channels



Optional: automatic feeder

APPLICATIONS:

BENEFITS:



Easy clean concept



Variety in communication protocols



Maximum accessibility

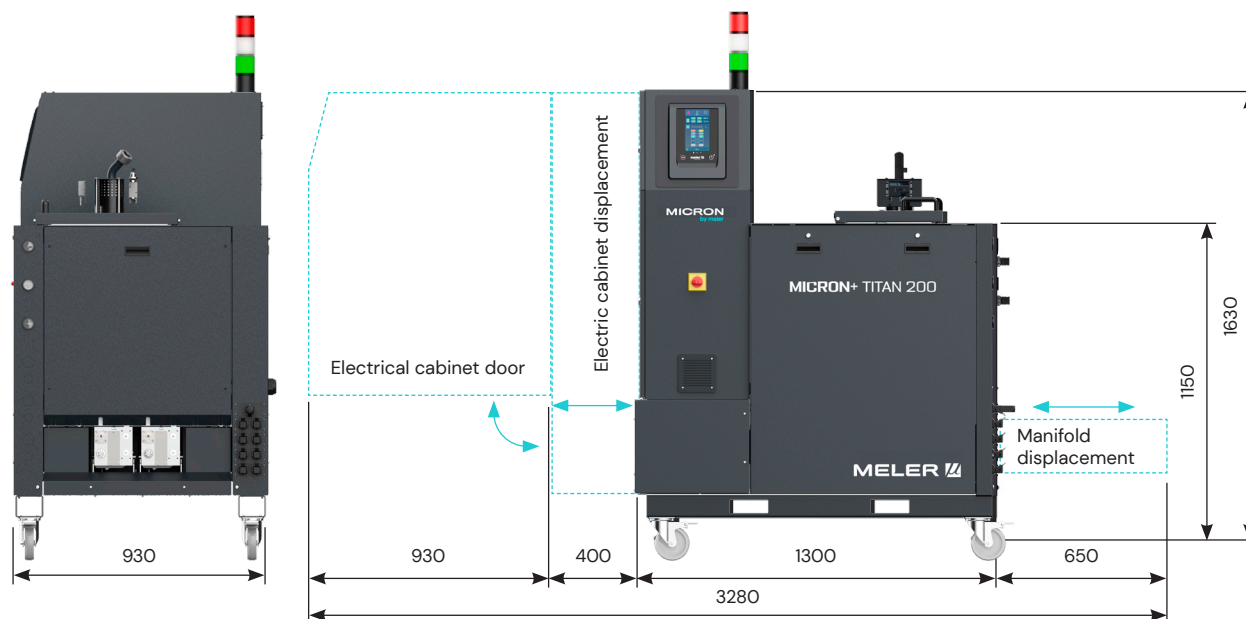


Maximum adhesive care



Energy efficiency

MICRON+ TITAN 200



TECHNICAL FEATURES

Tank capacity	200 l	
Pumping rate	Single pump	1cc/rev • 2.5cc/rev • 4cc/rev • 8cc/rev • 15cc/rev • 20cc/rev • 30cc/rev
	Double pump	2x0.93cc/rev • 2x1.86cc/rev • 2x3.71cc/rev • 2x4.8cc/rev
Melting rate (1)	180 l/h	
Number of pumps	Up to 4 pumps	
Number of hydraulic outputs	2, 4 per pump (thread 3/4" 16h UNF)	
Number of electrical outputs (2)	2 • 4 • 6 • 8 • 1 safety thermostat	
Pump speed	10-80 rpm (range 0-100 rpm)	
Temperatures range	40 to 200°C (100 to 392°F)	
Temperature control	RTD ±0.5°C (±1°F) Pt-100 • Ni-120 • NTC	
Max. working pressure (at 6 bar)	80 bar (1.160 psi)	
External functions	Inputs	External ON/OFF • Standby • Activity control • Pumping external OFF • Communications On-Off • Electrical Outputs Inhibition • Reset Alarms • External speed control • VP/DPI control •
	Outputs	Standby • Zones Temperature OK • Machine Ready • Running • Alarm • Level • No Level • Drive error • Liquid Charge
	Communications (optional)	ModBus • Profinet • Profibus • Ethernet IP • Ethercat
Electrical requirements	3N ~ 400V 50/60Hz + PE	
Dimensions (L x W x H)	1300 x 930 x 1630 mm	
Weight	670 kg	

(1) Depends on adhesive type, temperature and other work conditions.

(2) Units up 4 electrical outputs: 1800W per channel. Units from 6 to 8 electrical outputs: 1200W per channel.