



# green GLUING

## ROBADRUM 20

Drum unloader  
Efficient | Safe | User-friendly

# COMPACT DRUM UNLOADER FOR EFFICIENT ADHESIVE PROCESSING

RobaDrum 20 is a pneumatically operated drum unloader for thermoplastic and reactive hotmelt adhesives and sealants from 20-liter or 5-gallon steel drums.

## Efficient Adhesive Processing

Thanks to Melt-on-Demand technology (MOD), the drum unloader gently melts low- and medium-viscosity materials. It is available with three different melting plates and four different gear pumps. Depending on the required melting capacity and the thermal conductivity of the adhesive, a melting plate with flat or ribbed surface is selected. The advantageous melting plate design ensures little adhesive residue. The robust FEP coating of the melting plates reduces the cleaning effort to a minimum.

## High Operator Safety

For safety reasons, the melting plate is raised and lowered using a two-hand control. Automatic ventilation of the drum prevents vacuum formation. In addition, manual venting prevents overpressure in the drum.

## Straightforward Operation and Integration

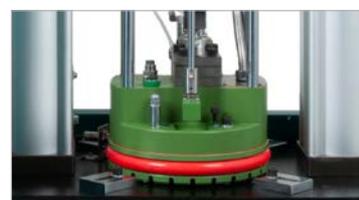
A touch screen with a graphical user interface allows straightforward operation. The integrated Robatech Control System (RCS) includes all functionalities for an efficient gluing process, such as system monitoring, process control, and quality control. The drum unloader can be easily integrated into a higher-level system via field bus systems and open interfaces.

## Advantages

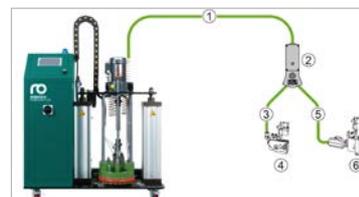
- Flexible adaptation to production requirements thanks to the modular design
- Straightforward system integration (Industry 4.0 ready)
- Efficient and gentle melting thanks to innovative Melt-on-Demand technology
- Little adhesive residue saves costs and protects the environment
- Easy operation via touch screen with graphical user interface
- High operator safety
- Reduced cleaning effort for melting plates thanks to robust FEP coating



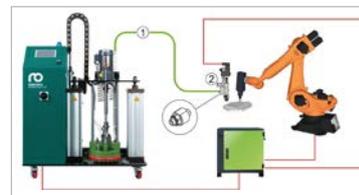
Intuitive touch operation (RobaVis)



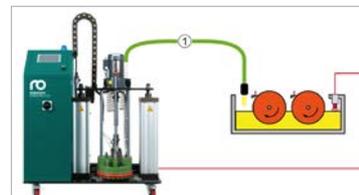
Ribbed melting plate



System with Y-distributor and application heads



System with robot application



System for pot filling

## TECHNICAL DATA

Drum types	Steel drums
Drum diameter	Ø 280 mm according to DIN 6644 / ASA, Ø 285 mm (with spacer ring)
Melting plate types	Flat, ribbed, or ribbed high
Melting capacity*	Flat plate: 15 kg/h, ribbed plate: 25 kg/h, ribbed high plate: 40 kg/h
Residual amount	Flat plate: 0.2 kg, ribbed plate: 0.6 kg, ribbed high plate: 0.9 kg
Delivery capacity*	Gear pump ZPRD 6: 2.0 to 20.4 kg/h, gear pump ZPRD 9: 3.1 to 30.6 kg/h, gear pump ZPRD 12: 4.1 to 40.8 kg/h, gear pump ZPRD 20: 6.8 to 68.0 kg/h
Delivery pressure	Max 80 bar
Adhesive viscosity	1,000 to 100,000 mPas
Heated hose connection	1 or 2
External heating zones	4 or 8 heating zones depending on configuration (others on request)
Operating temperature	20 to 200 °C / 68 to 392 °F, accuracy ± 0.5 °C
Compressed air connection	5 to 6 bar, conditioned, uncoiled
Operating voltages	400/230 V, 3Ø N/PE, 50/60 Hz, 25 A (EU), 200 - 240 V, 3Ø PE, 50/60 Hz, 25 A (US)
Power consumption	Approx. 19 kW
Ambient temperature	5 to 40 °C or 41 to 104 °F
Communication interface	Ethernet, Profibus, Profinet, Sercos III
Dimensions WxDxH	500 x 1,030 x 1,330 (-1,690) mm
Weight	195 kg

\* Depending on adhesive, viscosity, and temperature