green GLUING

ROBADRUM 200

Drumunloader Efficient I Flexible I User-friendly

swiss QUALITY

GLUING SOLUTIONS **ROBATECH**

DRUMUNLOADER WITH HIGH MELTING CAPACITY FOR A WIDE RANGE OF APPLICATIONS

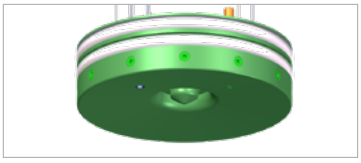
RobaDrum 200 is a pneumatically operated drumunloader that processes thermoplastic and reactive hotmelt adhesives, sealants, and butyl from 200-liter steel or cardboard drums.

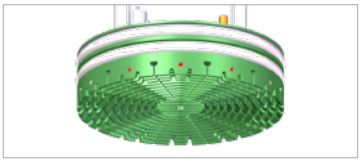
Efficient Melting
Thanks to a flexible selection of gear or piston pumps and four different melting plates, the RobaDrum 200 meets a wide range of production requirements. A wide variety of delivery rates, highly viscous material, and filled and abrasive adhesives can be optimally processed. Depending on the required melting capacity and the thermal conductivity of the adhesive, a melting plate with flat or ribbed surface is selected. A special plate is available for butyl applications. The melting plate features automatic or manual drum venting. The dynamic drive ensures uniform surface coating. The robust FEP coating of the melting plates keeps the cleaning effort to a minimum.

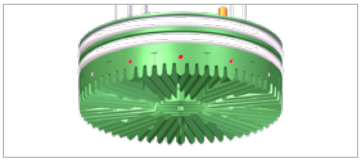
Easy and Safe Operation
For safety reasons, the melting plate is hydraulically raised and lowered using a two-hand control. The touchscreen allows straightforward operation. The integrated Robatech Control System (RCS) includes all functionalities for an efficient gluing process, such as system monitoring, process control, and quality control. The drumunloader can be easily integrated into a higher-level system via various communication interfaces.

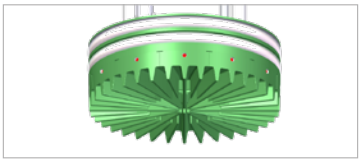
Advantages
- Tailored to your production requirements thanks to modular pump and melting plate concept
- Straightforward system integration (Industry 4.0)
- Little adhesive residue saves costs and protects the environment
- Easy operation via touchscreen with graphical user interface
- Little cleaning effort for melting plates thanks to robust FEP coating
- Continuous production with tandem and quattro operation

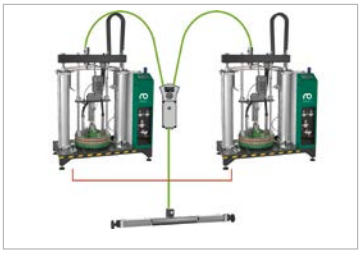

Operation via touchscreen


a) Flat melting plate (EVA, PSA, PUR)


b) Ribbed melting plate (EVA, PSA)


c) Ribbed melting plate high (PUR)


d) Ribbed melting plate (butyl)


Tandem system

TECHNICAL DATA

Drum types	Steel drums (smooth) or cardboard drums (with drum collar)
Drum diameter	22.5 inch (571.5 mm) according to DIN6644/ASA
Melting plate types	Flat, ribbed, ribbed high, or butyl plate
Melting capacities*	180 kg/h
Residual quantity in drum	a) 1.0 kg b) 2.5 kg c) 3.9 kg d) 8.0 kg
Delivery capacity*	max 205 kg/h
Delivery pressure	Max. 100 bar
Adhesive viscosity	Max. 100,000 mPas
Heated hose connection	1 or 2
External heating zones	Depending on the configuration, 2, 6, 10, or 14 heating zones for hoses/heads
Operating temperature	20 to 200 °C / 68 to 392 °F, accuracy ± 0.5 °C
Compressed air connection	5 to 6 bar, conditioned, not oiled
Operating voltages	400/230 V, 3Ø N/PE, 50/60 Hz, 40 A
	400 V, 3Ø PE, 50/60 Hz, 40 A with neutral point generator (EU)
	200 to 240 V, 3Ø PE, 50/60 Hz, 80 A (US)
Power consumption	max. 30 kW
Ambient temperature	5 to 40 °C or 41 to 104 °F
Communication interfaces	Ethernet, Profibus, Sercos, Profinet
Dimensions (WxDxH)	Gear pump: 1450 x 760 x 1870 - 2870 mm; piston pump: 1450 x 760 x 2050 - 3050 mm
Weight	450 kg

* Depending on adhesive, viscosity, and temperature

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