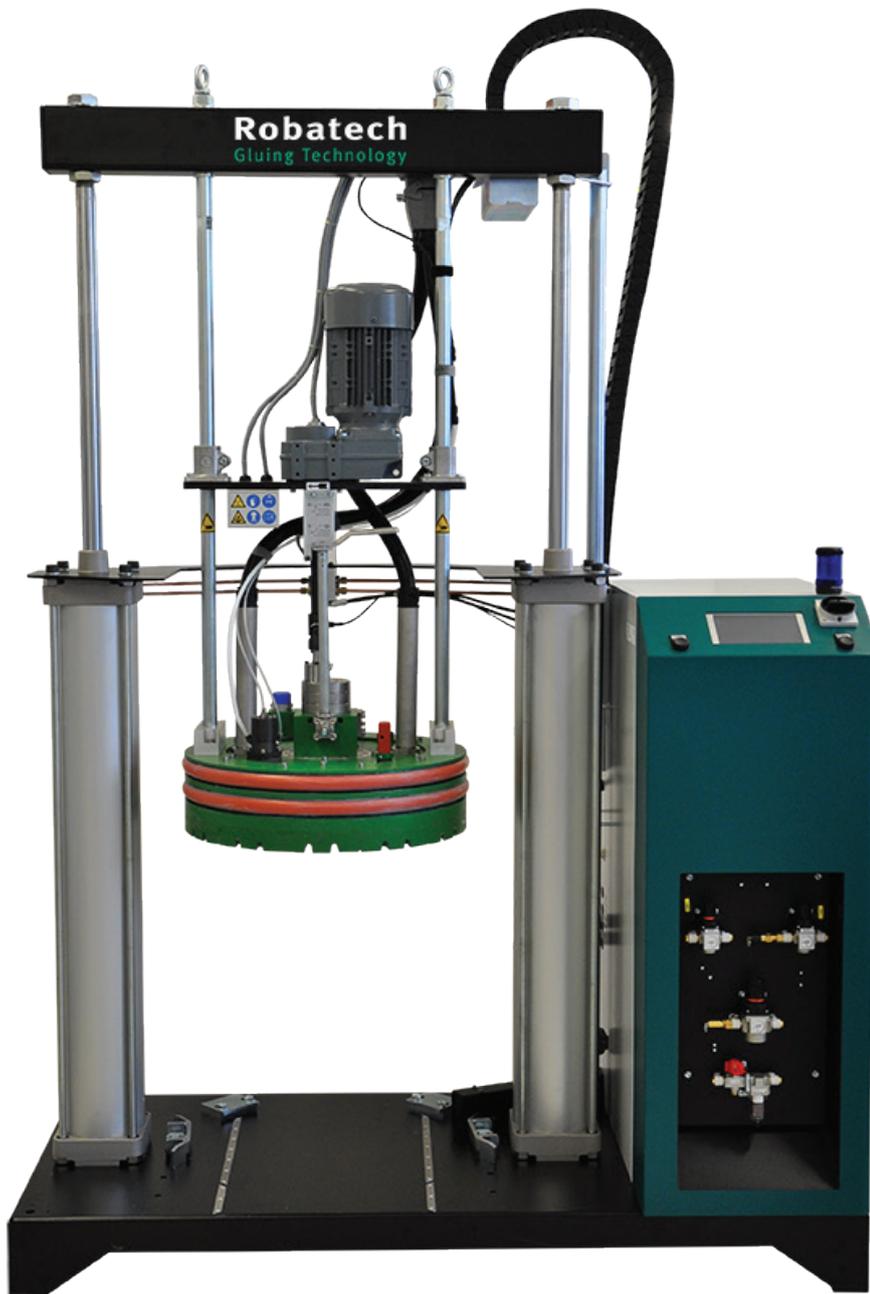# Drumunloader
RobaDrum 200

NEW

efficient I safe I user-friendly

Robatech
Gluing Technology

RobaDrum 200

Drumunloader for specific applications

RobaDrum 200 is a pneumatically operated drumunloader for different industrial adhesive applications. The device is designed for processing and delivery of thermoplastic adhesives, PUR hot melt adhesives, or sealants from 200-liter drums. RobaDrum 200 is mainly used for high-performance melting inserts in the adhesive-processing industry. With its improved melting performance and increased pump output, RobaDrum 200 supports a efficient production.

Function

Pneumatic lifting cylinders lift and lower the melting plate. For safety reasons, two-handed operation is required for moving the melting plate. Once the operating temperature is reached, the plate is pressed onto the dram content. This results in melting of the adhesive surface. Next, a pump delivers the melted material for further processing to the pump block outlet. An overpressure valve limit the maximum system pressure to 100 bar.

Touchscreen RobaVis

To ensure a reliable production process, RobaDrum 200 is additionally equipped with the user-friendly RobaVis touchscreen. The intuitively controllable user-interface offers various functions like the measurement of the power consumption for a controlled and sustainable production as well as the "help-texts"

which additionally support the operator. The factory data software InfoPlus permanently records data of the adhesive application system, creates a log, calculates consumption data and generate messages for a preventive maintenance.
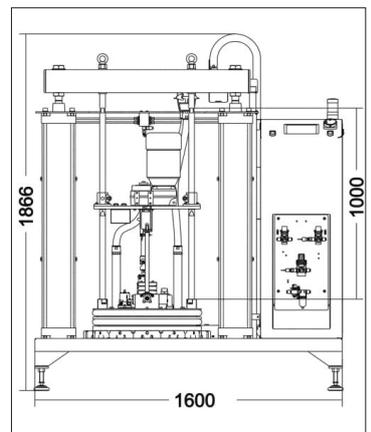
Safety

By default, RobaDrum 200 features different safety and protective devices:
- Main switch - interrupts the power supply
- Signal tower as optical operating state display
- Automatic deactivation of all heaters in the case of an internal control temperature › 65 °C
- Automatic deactivation of all heaters in the case of a melting plate temperature › 230 °C
- Drum presence monitoring
- Optional adhesive pressure monitoring
- Connection for external pump emergency stop

Advantages:
- Improved melting performance
- Higher pump capacity
- More safety due to two-handed operation
- Cost-efficient
- Residual quantity-optimized ribbed plate
- Adjustable overpressure valve
- ICS-NET

Technical Data

Drum types	Steel drums (smooth) or carton drums
Drum diameter	571.5 mm (22.5 inch) acc. to DIN6644/ASA
Melting plate types	Flat plate (upon request only) or ribbed plate
Melting performance	Ribbed plate: PSA: 180 PUR: 130
Delivery pumps/capacity	gear pump ZP1: 2.46 cm^3/R; ZP2: 4.93 cm^3/R; ZP3: 10.1 cm^3/R; ZP4: 20.0 cm^3/R
	gerotor pump GP3: 10.1 cm^3/R; GP4: 20.1 cm^3/R
Max. delivery rate / h*	ZP 1: 1.4...22 kg/h; ZP 2: 2.8...44 kg/h; ZP 3: 5.6...88 kg/h; ZP 4: 11...196 kg/h
	GP3: 5.6...88 kg/h; GP4: 11.2...144 kg/h
Delivery pressure	Max. 100 bar
Adhesive viscosity	Max. 100,000 mPas
Heated hose connection	1 or 2 connection holes
External heating zones	Depending on the configuration, 2/6/10/14 heating zones for hoses/nozzles
Operating temperature	20...210 °C / 68...410 °F, accuracy ± 0.5 °C
Compressed air connection	5...6 bar, conditioned, unoiled
Operating voltage	3x400/230V, 3LNPE, 50/60Hz or 3x400V, 3LPE, 50/60Hz with star-forming point
Power consumption	Approx. 17 Kilowatt
Ambient temperature	5...40 °C or 5...113 °F
Dimensions WxDxH	1,600 x 760 x max. 2,866 mm
Weight	450 kg

* Continuous delivery capacity depends on the melting performance of the device.

1866
1000
1600