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## Adhesive Melter RobaPUR 2 MOD

efficient | flexible | user-friendly



**Robatech**  
Gluing Technology

## RobaPUR 2 MOD

Melt-on-Demand (MOD) for highest flexibility in the application

The RobaPUR 2 MOD melter is designed for processing and delivery of thermoplastic and reactive hot melt adhesives in block, granular, and cushion form. The unit is available in three variants with different options. With that, the device can be tailored optimally to customer- and process-specific requirements and can be used extremely flexibly. The high melting rate of up to 10 kg/h allows the use in simple applications as well as in highly dynamic processes. The RobaPUR 2 MOD can process adhesives with or without inliner and with very high viscosities of up to 120,000 mPas.

### Function

The RobaPUR 2 MOD is particularly suited for processing on demand (Melt-on-Demand) of reactive hot melt adhesives with low little thermal load and as little contact with air humidity as possible. Adhesive is only prepared when requested and in the requested quantity. The adaptive control allows complete control of the melting process. The melting procedure can be interrupted at any time. This gentle method ensures comprehensive protection of the adhesive characteristics of the melted material. The new magazine and melting grille technology enables the significant improvement in the melting rate. The small adhesive amount in the buffer enables quick changes to adhesives with different properties industry) without major cleaning

effort. The design of buffer, melting grille, and magazine ensures processing of most commercially available PUR hot melt adhesives without additional inert gas flushing and active cooling. The self-calibrating level sensor ensures precise and continuous filling level monitoring.

### Features

- New magazine and melting grille concept
- Three variants: 1-block magazine, 2-block magazine, or 1-block magazine with press
- MOD technology
- Three different pumps
- Self-calibrating level sensor
- TRM operation
- Rounded design / non-stick coating

### Benefits

- Unique melting rate of up to 10 kg/h
- High flexibility in the application
- Optimally customizable to customer- and process requirements
- Demand-dependent and gentle adhesive processing
- Volumetric delivery capacity: GPR up to 9 kg/h; ZPR up to 12 kg/h (temporarily with ZP 3 up to 50 kg/h)
- Precise and continuous filling level monitoring
- Reliable and user-friendly
- Reduced cleaning effort



## Technical data

Container size	Ø 120 up to 128 mm, height 160 to 200 mm
Melting capacity*	max. 10 kg/h at 10,000 mPas (with 2-block magazine) with PUR adhesives max. 8 kg/h at 100,000 mPas (with 2-block magazine) with PUR adhesives max. 10 kg/h at 10,000 mPas (with 1-block magazine and press) with PUR adhesives max. 10 kg/h at 65,000 mPas (with EVA granulate)
Number of delivery pumps	1
Gear pumps	GPR 12   ZPR 12   ZP 3 (for PUR spine gluing process only)
Delivery volumes	GPR 12: max. 9 kg/h   ZPR 12: max. 12 kg/h   ZP 3: max. 50 kg/h
Adhesive viscosity	With GPR 12: 2,500 up to max. 120,000 mPa s With ZPR 12: 500 up to max. 120,000 mPa s With ZP 3: 500 to 10,000 mPa s (for PUR spine gluing process only)
Operating temperature	20 to 210 °C or 68 to 410 °F / accuracy ± 0.5 °C
Hydraulic heated hose connections	3 G½" adhesive outlets or 2 G½" adhesive outlets and 1 bursting screw
Supply voltage	230/400 V AC, 50 / 60Hz 3LNPE, 16 A standard Europe 400 V AC 50 / 60Hz 3LPE, 16 A, with neutral point generator 200-240 V AC, 3ØPE, 32 A, standard USA-JAPAN
Weight	Approx. 80 kg
Compressed air supply	min. 5 bar, oil-free air class 4 according to DIN ISO 8573-1

\* Reference value, depends on adhesives and conditions

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