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Robatech
Gluing Technology

RobaPress PUR block melter

The 2 kg block melter processes polyurethane hotmelts to fill glue tanks on edge banding machines, automatic book binding machines etc. without dry air.



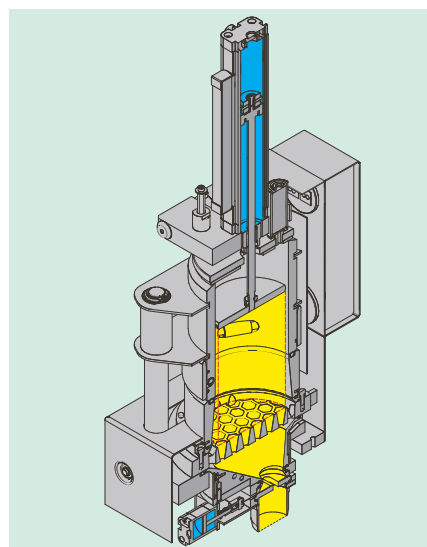


Application

The block melter is used to fill glue tanks on edge banding machines, automatic book binding machines, etc., with PUR hotmelt. The appliance serves to melt polyurethane hotmelt which must not come into contact with the ambient air during storage and conditioning for processing.

Functioning of the appliance

After the appliance is switched on, it is heated to the defined readiness temperature. If the fill level in the glue tank is too low, the block melter is heated to the programmed operating temperature. As soon as this higher temperature is reached, the cover slide opens and the pressing cylinder presses the PUR block onto the melting grate. The contact pressing and melting process lasts until the glue tank is full again. In the interest of gentle handling of the PUR adhesive the appliance's temperature is reduced to the readiness value again as soon as the glue tank is full. The pressing cylinder stops immediately after filling and the cover slide closes again to ensure that no ambient air reaches the block of PUR.



Sectional drawing with pressing cylinder, PUR block and cover slide



Swivelled-out block holder and PUR block

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Pressing cylinder swivelled out for service work

Refilling a PUR block

When a block of PUR is used up, the pressing cylinder is moved up to the mechanical end position so that the block holder can be swivelled out. The inliner (aluminium packaging) is now removed from the new PUR block, the block is pressed into the holder and the holder is swivelled in again. The appliance is now ready again for melting/filling.

Features and advantages

- Melting on demand
- No unneeded temperature stress
- Easy filling of glue tanks with PUR
- No dry air necessary
- All parts coming into contact with the adhesive feature a release coating

Technical data

Block size	2 kg PUR blocks without inliner Ø 120...129 mm, length max. 155 mm
Adhesive viscosity	100...60,000 mPas
Temperature range	20...170° C
Melting capacity	max. 6 kg/h (depending on the adhesive)
Operating voltage	200...240 VAC, 50/60 Hz, 1600 Watt
Compressed air supply	6 bar, oil-free air according class 4
Dimensions	RobaPress: 28×35×80 cm, Control 40×40×20 cm
Control	Robatech control box with CLS electronics

Robatech AG
Pilatusring 10
CH-5630 Muri / Switzerland
Phone +41 56 675 77 00
Fax +41 56 675 77 01
Email info@robatech.ch
Internet www.robatech.com