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## PUR melting units RobaPur & RobaPress



**Robatech**  
Gluing Technology

# PUR melting units

Intelligent handling of PUR



## The modular, efficient solution

**Our PUR melting units, RobaPur MOD, and RobaPress melt and feed reactive one-component polyurethane hot melts. The adaptive melting system adjusts the output in the melting grid exactly to the feed rate.**

The MOD technology is gentle and economical. By «melting on demand» two melting stages keep actual melt capacity in sink with the quantity of adhesive required. When adhesive is needed, the melting grid starts melting, a piston presses the block of adhesive against it and the heated adhesive flows to the lower buffer tank. The melting system switches off again as soon as the buffer tank holds sufficient quantity. This process is controlled by predefined fill levels.

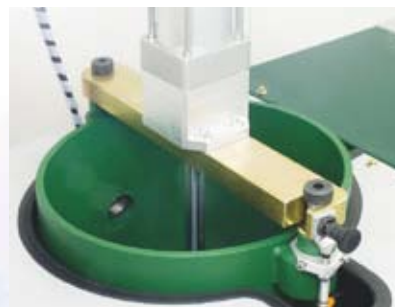
### The most important performance characteristics of PUR melting units at a glance:

- Adhesive savings
- Gentle handling of adhesive
- Avoid temperature strains on adhesive
- No exposure of adhesive to outside air/humidity
- No hazardous vapors when refilling
- Uninterrupted production when refilling
- Optimum product quality due to stable adhesive viscosity
- No PUR waste
- Modular, compact design
- Effortless adaptation to meet customer requirements
- Easy to operate and maintain
- Good accessibility

### Specifically for RobaPress:

- Integrated block brake prevents melting through
- No dry air and cooling required
- Compact installation dimensions

**Patent applied for and, of course, «Made in Switzerland».**



Our experience with PUR guarantees your productivity

**For the perfect bond: no matter which model of the melting units will best suit your requirements, which blocks of PUR you use, whether you fill glue pots or have a highly dynamic intermittent application on your hands – we offer the right solution: with RobaPur 4 MOD, RobaPur 20 MOD and RobaPress.**

#### Modularity and compatibility

Particularly important to us are the maximum upward and downward compatibility of units and accessories as well as system solutions based on combination. System parts can be retrofitted subject to block form and individual application processes.

#### Intelligent handling of PUR adhesive

We know what you desire. This is why the entire range of PUR melting units has been designed accordingly. The precise temperature control with manual or automatic temperature reduction and the adaptive melting system ensure stable viscosity conditions and prevent unnecessary thermal stress. All units

are flow-optimized in order to prevent a reaction of any unused adhesive. Any humidity is being prevented from reaching the adhesive.

#### Easy installation

The industry-proven design of the PUR melting units lends itself to an easy integration in existing equipment. The interfaces are standardized and allow communication with the main machine.

#### Easy to operate

The schematic operating interface is language independent. It allows for an immediate verification of the current operating status. If abnormalities occur, the diagnostic system supports quick trouble-shooting.

#### Reduced energy consumption

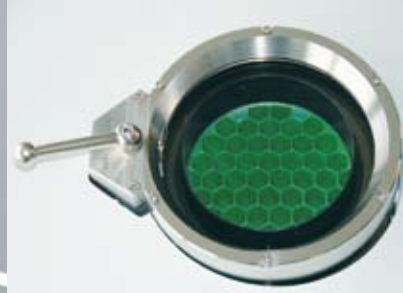
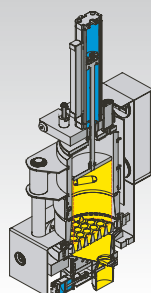
A heating output matched to the surface and the good insulation combined with intelligent closed loop temperature control make it possible: high melting capacity with lowest possible energy consumption.

#### Maximum safety

The proven safety system with temperature limitation and pressure relief as well as sequential heating offers reliable protection from excessive temperatures and pressures in the adhesive system. The tank design protects the operator from harmful adhesive vapours.

#### Low operating costs

Robatech systems can be run at a very low cost due to the use of operationally safe components and the straightforward design offering good accessibility. Hardly any spare parts are required. Important components such as pumps and controls are available on an exchange basis.



## The result of know-how and competence

**We know how to apply adhesives. Successfully implemented for more than three decades. And this is how we established our top notch reputation all over the world: ensuring quality, backed by superior service with know-how and competence**

We utilize this experience in the development of all Robatech products – also in case of the PUR melting units.

We have, therefore, optimized the adaptive melting technology for PUR adhesives. We succeed in tackling even the most difficult tasks when processing PUR hot melts. It's being accomplished with reliability, in top quality, for all industryfields and for a extensive array of diversified applications.

In manufacturing we rely on proven materials and apply manufacturing processes of the highest standards. Combined with quality based procedures and inspections, the result is exactly what you are looking for:

**Highest productivity at minimal life-cycle costs.**

## All you need for your production PUR melting units



Apart from supplying you with high-grade products, we are always pleased to assist you with our extensive knowledge and experience. Why not talk to us? For example about:

### System extensions

- Integrated applicator control for the precise activation of up to 8 applicator heads
- System integration in the main machine via:  
Profibus, SNMP, Ethernet, CAN-BUS, ASI-Bus, RobaPAR

### Options and accessories

- Quantity control
- Electronic pressure monitoring and control
- Open-loop controlled non-return valves, restrictors
- Chiller units
- Air driers
- External operating terminal
- Servo drive
- Signal lamps
- Spare parts kits
- Service
- Training
- Preventive maintenance

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