



green GLUING

CONCEPT DIAMOND

Adhesive Melters
Reliable | safe | wide variety

WIDE VARIETY FOR HIGH FLEXIBILITY

Flexible and modular design

Concept Diamond is suitable for melting and processing thermoplastic hot melt adhesives. Thanks to the modular design with different tank sizes, pumps and optional components, a variety of applications can be supported. The system can be extended at all times. Concept Diamond is available with manual and automatic filling, is energy-optimized and safe in its operation.

Easy installation and integration

The melters are easy to install and access. Optimized hose routing and a tank lid rotatable by 180 ° support any type of installation. Diverse interfaces and I/O signals are available for integration and communication. Pattern control can be optionally integrated as well.

Intuitive touch operation

The color touchscreen visualizes the device state at a glance and enables intuitive operation. It can be installed in the device or an

external housing. Using the additional InfoPlus software, consumption and operation data can be collected and analyzed, e.g., for preventive maintenance.

Minimized maintenance effort

The tank is non-stick coated with FEP for ease of cleaning and the individual temperature control prevents adhesive charring. In addition, filters in tank and pump outlet minimize the risk of nozzle blockage.

Your advantages

- Modular design for flexibility and reduced costs with up to 8 connections for hoses and application heads
- Energy-efficient and safe thanks to CoolTouch insulation
- Easy operation and maintenance
- Easy integration
- Variety of options, such as pattern control, level monitoring with intelligent level sensor (ILS), volume control etc.



TECHNICAL DATA

	Diamond 5	Diamond 8	Diamond 12	Diamond 18	Diamond 30
Tank volume	5 l	8 l	12 l	18 l	30 l
Melt rate*	5 kg/h	8 kg/h	12 kg/h	18 kg/h	30 kg/h
Adhesive type	Granulate and blocks (thermoplastic)				
Operating temperature	20 to 200 °C				
Heating time (160 °C)*	approx. 30 min.				
Adhesive viscosity	100 to 20,000 mPas				
Heated hose connections	1 to 8				
Filling	Manual or automatic (RobaFeed 3)				
Number of pumps	1	1	1 or 2	1 or 2	1 or 2
Pump type	Piston, Gear or Gerotor pumps				
Supply voltage	200 to 240 V, 1 - 3 LNPE				
Electrical power	1.8 kW	3.0 kW	3.0 kW	4.5 kW	6.0 kW
Compressed air supply	6 bar, dry, not oiled acc. to ISO 8573-1 Class 4				
Electronics	ICS-Net				
Control panel	Touchscreen (RobaVis)				
Pattern control	Optional AS-IK 10 or AS-IK 40				
Weight	34 kg	41 kg	54 kg	64 kg	95 kg
Safety standard	CE, CSA				

* Depending on adhesive, viscosity, temperature at 230 V AC