



green GLUING

360° GLUING

Automation of Manual Gluing Processes with
Collaborative Robots from Universal Robots

PERFECTLY MATCHING SYSTEMS

Slow gluing processes that require high flexibility in the adhesive application position are often carried out manually. Gluing in different directions is not possible with a conventional adhesive application system alone. The solution: 360° Gluing from Robatech in cooperation with Universal Robots. It combines Robatech adhesive application systems via the UR+ Integration Kit with collaborative robots from Universal Robots and automates the manual gluing process.

UR+ Integration Kit

The Integration Kit includes a holder for the application head and attachments for the heating hose on the robot arm.

GlueBot Software

With the GlueBot software, the adhesive application process can be easily programmed. Furthermore, the system status of the melter is clearly displayed on the touch pad of the robot. Settings for heated hose, application head, and melter can also be applied easily using the touch pad.

Proven Adhesive Application Systems

The adhesive application systems from Robatech feature a modular design and consist of a melter or delivery unit, hose, and application head. The optional automatic filling system for melters ensures operator safety and extends

the adhesive refill intervals. In addition, rotary unions for heated hoses provide reliable protection against torsion and increase the service life of the hoses.

Collaborative Robots

Collaborative robots are designed to support and relieve humans in monotonous, repetitive, yet highly precise tasks. They do not require any protective devices and are easy to program. Thanks to their size and safe application, they work hand in hand with humans. Collaborative robots work reliably with high precision and repeat accuracy.

Your Advantages

- Increases productivity through absolute reliability
- Increases adhesive application quality through precise and repeatable execution
- Reduces error susceptibility and costs
- Relieves personnel and protects them from injury
- Straightforward integration through certified URCap GlueBot Software and UR+ Integration Kit
- Simplified programming and ease of use



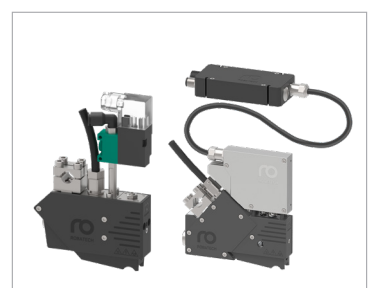
UR+ Integration Kit



URCap GlueBot Software



SX Diamond



AX Diamond, SpeedStar Compact

TECHNICAL DATA

Universal Robots

Compatibility	UR5, UR5e, UR10 (CB3.1), UR10e, UR16e
Software version	CB3- 3.9 , e-Series- 5.3
Air connection	6 bar

Adhesive Application Systems

Adhesive	EVA, PSA, PO, PUR, POR (depending on melter)
Adhesive form	Granulate / blocks/ cushions
Adhesive melter	All melters from Robatech
Heated hoses	NW6 / NW8 / NW 13
Application head	AX Diamond, SX Diamond and SpeedStar Compact; others on request
Operating temperature	20 to 200 °C
Adhesive viscosity	100 to 5,000 mPas; depending on application up to 30,000 mPas possible