



green GLUING

PRIMO

Adhesive Dosing Head for Robot Applications
lightweight | versatile | easy to maintain

UNIFORM ADHESIVE APPLICATION AT DYNAMIC SPEEDS

Primo is an adhesive dosing head for uniform adhesive application of beads or spray curls at different speeds, such as in industrial robot applications. It is used wherever high dispensing accuracy is of utmost importance. Be it in automotive assembly, where irregular components such as trim strips are glued, or in large household appliances, where the adhesive must be applied and dispensed quickly and precisely.

High Dispensing Accuracy

In contrast to a conventional application head, the adhesive is not only delivered by the pump in the melter but ultimately by the gear pump in the Primo dosing head itself. This design ensures that the amount of adhesive delivered by the pump corresponds exactly to the applied amount. The result: high dispensing accuracy.

Which design suits your application?

We offer the Primo dosing head in different variants: With or without a built-in motor, with adapters for up to two spray elements and one jetting element, and many optional components that help improve the quality of your adhesive application.

Your Advantages

- Lightweight, compact adhesive dosing head for medium-sized industrial robots. Optimal weight-to-performance ratio
- Wide range of variants
- Straightforward, flexible integration on a moving unit or fixed to a machine
- Precisely dispensed application of adhesive, independent of speed
- Bead or spray application with the same application head
- Time savings thanks to pinned components: The dosing head is exactly aligned after maintenance



Primo with drive, without adapter for application elements



Primo without drive, with adapter and 3 application elements



Large selection of jetting and spray elements



Primo mounted on robot arm

TECHNICAL DATA

Temperature range	20 to 200 °C
Adhesive pressure	max. 100 bar
Adhesive	PUR, PO, POR, EVA, and PSA adhesives
Adhesive viscosity	1,000 to 50,000 mPas
Delivery rate	Motor i = 16.8: 2 to 20 dm ³ /h Motor i = 35: 1 to 10 dm ³ /h
Supply voltage	200 - 240 VAC, 50/60 Hz
Supply voltage, solenoid valve	SX: 24 V DC, 8 W AX: 24 V DC, 7.3 W
Compressed air supply	6 bar, unoled, cleaned acc. to ISO 8573-1 Class 4
Sound pressure level	70 dB(A)
Attachment	Mounting flange
Weight	From 8.5 kg*

* Depending on the configuration