

SIPLACE Glue Feeder

Innovative concept for highly flexible adhesive application

As more modern PCB designs require components on both sides or a mix of THT and SMT techniques, the need for affixing components with adhesives increases steadily. The best solution for these applications is the innovative SIPLACE Glue Feeder. It can be easily mounted and dismounted like a component feeder and dispenses the adhesive with high precision in the form of ultra-fine dots from below directly onto the components. In short, it delivers maximum flexibility at low cost.

The benefits at a glance



Glue application with maximum precision

- Jet dispenser for the touchless application of SMT adhesives to the underside of components.
- Since the glue dot is applied immediately before the placement process, it is protected from environmental factors.
- After the glue dot has been applied, it can be easily checked via the SIPLACE vision system.
- If the glue dot fails this inspection, the system discards the component and corrects the glue dot position. This short control loop reduces error rates and repair costs.
- While the screen printer-based glue application can easily result in offsets with warped boards because of rigid distances between glue dots, the SIPLACE Glue Feeder can automatically correct for such irregularities via the fiducials.



Flexible and fast handling

- Numbers and positions of glue dots on the component are freely programmable.
- Since the SIPLACE Glue Feeder is built like a feeder, it can be easily and quickly installed and uninstalled.
- One SIPLACE Glue Feeder can be easily moved between lines.
- If subsequent products don't require gluing, the SIPLACE Glue Feeder can be easily removed to make room for component feeders and make use of the table's entire setup capacity.



Easy programming and operation

- All the data which the SIPLACE Glue Feeder needs is already in the placement machine. The SIPLACE Glue Feeder delivers exceptional accuracy – even when boards are slightly warped.
- Programming the glue dots is quick and easy since only the size and the number of glue need to be specified with the existing tools and user interfaces.

Precise gluing with the SIPLACE Glue Feeder

The contrast could not be more severe: Instead of having to use expensive and inflexible gluing stations and other complex procedures, the SIPLACE Glue Feeder gives electronics manufacturers a flexible way to glue components with ease and precision.

The SIPLACE Glue Feeder dispenses the adhesive from below directly onto the respective component instead of the PCB. This means that the SIPLACE Glue Feeder is the ideal solution for applications where only a limited number of components must be glued.

Another advantage: The easy handling of the SIPLACE Glue Feeder and the time saved for setting up, cleaning and programming the SIPLACE Glue Feeder reduces your costs significantly.



TECHNICAL DATA	
Connections	Minimum air pressure: 5 bar Power: 24 V (machine's safety circuit)
Weight	4.6 kg (10.1 lbs)
Avg. glue dot sizes	From ~0.5 mm to 3 mm (depending on parameters such as adhesive type, pressure settings and number of shots)
Positions required	5
Dimensions (L x W x H)	584.9 × 57.6 × 199.5 mm As wide as a 44-mm X-feeder
Changeover time	< 3 minutes
Reference adhesives	Heraeus PD 205 A-Jet, Loctite 3621, Loctite D125F, Delo Monopox EG2596
Placement heads	CP12, CP20, CPP, Twin
Compatibility	<ul style="list-style-type: none">• SIPLACE Stationssoftware 706, SIPLACE Pro 10 and higher• Maximally one Glue Feeder per feeder table• SIPLACE X-Feeder interface• Mechanical and electrical• SIPLACE X-Series, SX-Series and TX-Series

Please contact your regional SIPLACE Service Partner with any questions you may have.

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