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The result of know-how and competence

We know how to apply adhesives. It has been our daily bread for more than three decades. And this is how we established our leadership position all over the world: by ensuring quality, backed by service, with know-how and competence.

We draw from this experience in the development of all Robatech products – also in the case of the SX and AX Series:

This is why our adhesive applicator heads are suitable for virtually endless combinations and possibilities to cope with almost all requirements.

In our production – certified to comply with ISO 9001:2000 – we rely on top quality, well-proven materials and manufacturing techniques exclusively. Combined with quality-related procedures and inspections, the result is exactly what you are looking for:

Highest efficiency at minimum life-cycle costs.



All you need for your production
Options and accessories

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

- Sift-proof packaging products
- Labeling
- Pallet safety due to «Anti Slip»
- Manual applications
- Special applications
- Applicator controls
- Service
- Training
- Preventive maintenance

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Robatech
Gluing Technology

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Hotmelt applicator heads SX / AX
Bead and dot applications



Robatech
Gluing Technology

SX / AX Series

As individual as your needs



The precise and cost-efficient solution

Ever higher demands are imposed on the application of thermoplastic adhesives in bead or dot patterns when it comes to speed, precision and durability. We cope with this challenge professionally: with the SX and AX Series.

These proven applicator heads apply hot melts of low to medium viscosity in bead or dot form, with constant precision and free of stringing. Our applicator heads of the SX and AX series are characterized by their high reliability, requiring only minimum maintenance efforts, and their modular structure.

Applicator heads SX

- Small in size
- Fast
- Precise
- Durable
- Energy saving
- Integrated filters
- Modular
- Quiet in operation

Applicator heads AX 100

- Robust
- Reliable
- Well-proven
- Modular

Applicator heads AX 300

- For medium to higher glue quantity
- For medium to high viscosity
- For pressures up to 200 bar
- Thermoplastic and PUR adhesives, sealing compounds, butyl, a.s.o.
- Optional: spiral spray application
- Nozzle diameters 1... 3.5 mm
- Optional: improved tear-off due to additional air nozzle
- Optional: heated nozzle extension

SX-1 Diamond – Pat. Appl. Pend.
... and of course «Made in Switzerland»



Best quality for precision and durability

For the perfect bond: either module of the SX or AX Series will meet your requirements. The effective common ground speaks for itself and makes it easy for you to decide.

Optimal installation

The SX applicator heads with their small mounting dimensions and the different designs and nozzle types enable an easy and correct installation: close to the substrate, with optimal accessibility on any machine.

Fast and precise

The exact temperature control, the pneumatic valve developed especially for this type of application and activated by our application control, the special spray elements and our nozzle technology guarantee a very fast and precise adhesive application.

Low maintenance costs

Robatech applicator heads stand out by their above-average durability and can be operated at a very low cost. This is all made possible by the use of operationally safe and customized components, their straightforward design and exchange procedures for spray elements.

Reduced energy consumption of the «Diamond Series»

The SX diamond head is insulated with heat-resistant materials and offers additional advantages:

- Energy saving
- Excellent temperature control
- Protection from air drafts
- Nozzle protection
- Reduced contamination

No blocked nozzles

The filter integrated in the heating part prevents the nozzle from becoming obstructed. A filter change is easy and doesn't require removal of the heated hose.

Modularity and compatibility

Spray elements using different shut-off techniques can be selected on a modular basis - the heads are upward and downward compatible to an extremely high extent.

