

RO

Hot Melt Coating Heads FK IT

flexible | compact | precise



FK IT

Precise Coating, Flexible Application, and Cost-effective

The coating heads of the **FK IT series** are designed for intermittent and continuous coating with precise adhesive cut-off at high production speeds and fast switching times. Thermoplastic adhesives in the low- to medium-viscosity range are processed. The coating heads of the **FK IT series** are mainly used in processes of the graphics and converting industry, as well as in other areas.

Functionality - coating heads FK IT

The coating heads of the **FK IT series** are double-acting. The jetting element closes negatively. This functionality ensures precise adhesive application and adhesive cut-off at the end of coating.

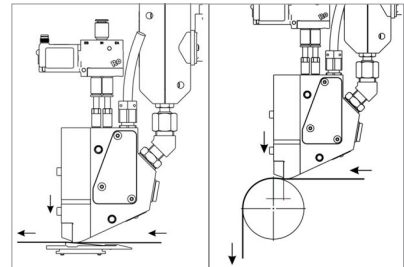
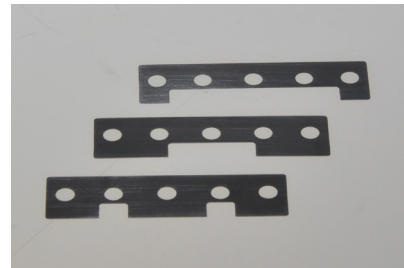
The application heads are used for coating on roll-to-roll applications as well as for coating on single sheets in folding machines. In case of single sheet processing, the **FK IT** application head can be used in connection with the infeed roller, as well as the specifically developed support unit.

Mask technology

The mask technology of the **FK IT series** enables the user to quickly and cost-efficiently respond to the requirements of his customers. Using different mask shapes and mask thicknesses, the application pattern can be flexibly adjusted. The mask technology of the coating head simplifies the format change, increases reproducibility, and support a cost-effective and flexible gluing process.

Your advantages

- Precise cut-off and coating weight from start to finish
- Flexible, fast, and cost-effective format change
- Easy integration thanks to compact design and connection from top
- Constant temperature control to the coating application nozzle
- No nozzle blockages thanks to integrated filter
- Operator safety through optional CoolTouch insulation
- Coating application nozzle can be flexibly rotated by 180° in or against the operating direction



Technical data

Temperature range	20 to 200 °C
Adhesive pressure	Maximum 100 bar
Adhesive	Thermoplastic adhesives
Adhesive viscosity	100 to 10 000 mPas ⁽¹⁾
Switching frequency	125 Hz ⁽²⁾
Application width	FK IT 25: 3-25 mm / FK IT 50: 25-50 mm / FK IT 75: 50-75 mm FK IT 100: 75-100 mm / FK IT 125: 100-125 mm
Minimum coating time	4 ms ⁽³⁾
Minimum gap	4 ms ⁽³⁾
Supply voltage heating part	230 VAC (EN60204), 50/60 Hz
Supply voltage solenoid valve	24 VDC, 8.0 W
Air connection solenoid valve	5 to 6 bar, cleaned and unoilied
Air consumption	Approx. 8 ml per jetting element / cycle (5 bar)
Attachment	For RO mounting bracket with 2x M6 on the left and right side
Noise level	Approx. 65 to 70 dB(A)
Degree of protection	IP40

(1) Function test required if adhesives with higher viscosity are used.

(2) Depending on adhesive, viscosity, temperature, frequency, pressure, air quality and stroke. Continuous load maximum 125 Hz.

(3) Depending on adhesive, viscosity, temperature, frequency, pressure, air quality, and stroke. Jetting element (factory settings: 0.6 mm).

Robatech AG, Headquarters
 Pilatusring 10
 CH-5630 Muri
 Switzerland
 Tel. +41 56 675 77 00
 info@robatech.ch
 www.robatech.com

Robatech
 Gluing Technology