



# green GLUING

## FK IT

Hot Melt Coating Heads  
Flexible | compact | precise

## 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.

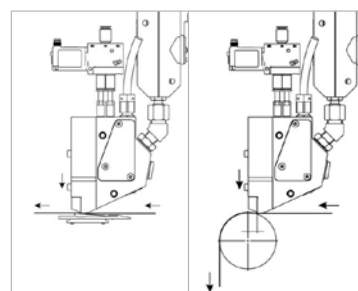
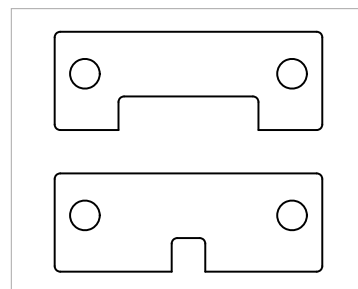
The application heads are used for coating on roll-to-roll applications as well as for coating on single sheets in folding machines. In case of single sheet processing, the FK IT application head can be used in connection with the infeed roller, as well as the specifically developed support unit.

### 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 <sup>(1)</sup>   |
| Switching frequency           | 125 Hz <sup>(2)</sup>   |
| Application width             | FK IT 25: 3-25 mm / FK IT 50: 25-50 mm / FK IT 75: 50-75 mm<br>FK IT 100: 75-100 mm / FK IT 125: 100-125 mm |
| Minimum coating time          | 4 ms <sup>(3)</sup>   |
| Minimum gap                   | 4 ms <sup>(3)</sup>   |
| 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 unoled  |
| 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  |

<sup>(1)</sup> Function test required if adhesives with higher viscosity are used.

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

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