



Hotmelt Hoses

Hot melt hoses for bead application heads
in combinations with melters

Heated hoses

To process hotmelt adhesives, the solid adhesive is first melted and then transported through heated hoses in a liquid state. The liquid adhesive is transported at temperatures of up to 240°C and pressures of up to 60 bar. The heated hoses must therefore be very pressure-stable.

The temperature control over the entire length of the hose must also be very equal in order to reliably prevent local overheating. Local overheating leads to the adhesive carbonizing and can render the entire hose unusable.

The heated hoses must also be well insulated in order to prevent the liquid adhesive from cooling down and to keep the consumption of electrical energy as low as possible.


In addition, these hoses must be flexible in order to reach the often hard-to-reach areas of the adhesive application. The best possible implementation of these requirements is the goal when manufacturing KAS's high-performance heating hoses. The table below lists the various heating hoses and their most important parameters.


Hotmelt Hoses	Hotmelt Hose MT	Hotmelt Hose RB	Hotmelt Hose DY (EU / AM)	Hotmelt Hose NS30	Hotmelt Hose NS30-SW	Hotmelt Hose FB
Length	1.8 – 6.0 m	0.6m – 6.0 m	1.2 – 4.8 m	0.6 – 10.0 m	0.6 – 4.8 m	2.4 – 7.0 m
Operating voltage	230 V	230 V	230 V	230 V	230 V	230 V
Temperature sensor	PT100, FeCuNi	NTC	PT100	Ni120	Ni120	Ni120
Operating temperature	up to 210°C	up to 210°C	up to 210°C	up to 210°C	up to 210°C	up to 200°C

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Heated hoses

Series MT, RB, DY, NS30, NS30-SW, FB