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Robatech
Glueing Technology

Granule Feeder GF For Robatech and other systems

Robatech's automatic feeding system ensures direct filling of the melting tank with granulate from a separately placed container. The granulate feeder is suitable for all Robatech hotmelt applicators as well as devices of other manufacturers.

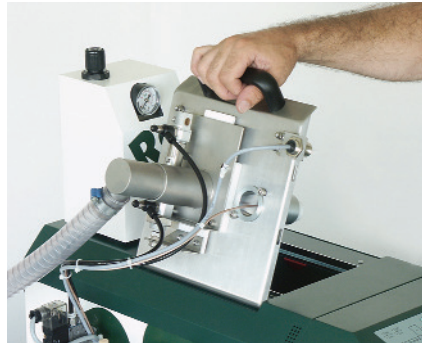


Function

The automatic feeding system is intended for filling of hotmelt applicators with granulate from a separate container. The system is controlled by the tank level supervision which transmits a signal to the control releasing the filling cycle when more granulate is required. With Robatech appliances the granulate feeder is controlled directly by the electronics of the appliance. With foreign appliances a separate control takes care of this. The system monitors the stock of granulate and the filling process, stops automatically in case of a non-conformity and activates a corresponding message. Robatech's system is gentle on the adhesive because small quantities are conveyed when required only.

Granule feeding

The suction tube is inserted in the container holding the adhesive granulate. The integrated venturi generates a negative pressure with the effect that the granules are attracted and fed. The shaking device fitted to the suction tube supports the suction process. In case of a very sticky granulate, feeding can be further optimized by means of an additional optional vibrator at the container.



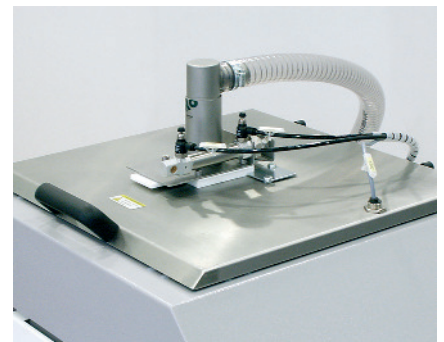
Automatic switching-off in case of open tank lid

Benefits

- Time saving thanks to automatic filling process
- No standstill due to empty tank
- No overflowing of the tank
- No contact with hot melting tank and melted material
- Less temperature strains
- No contamination of the adhesive thanks to the closed system
- No vapours thanks to the slide in the tank cover



Container with optional vibrator



A slide prevents the escape of vapours and the clogging of the feed opening



Direct activation by the basic appliance

Technical data

Adhesive form	Granulate or tablets
Max. granule or tablet size	Suction tube Ø 20 mm: Ø12 mm or 15×12×8 mm Suction tube Ø 28 mm: Ø20 mm or 22×18×14 mm
Feeding capacity*	Suction tube Ø20mm: ca. 2.5 kg per minute Suction tube Ø28mm: ca. 4.0 kg per minute
Feeding distances	Max. 7.5 m horizontally, max. 2.5 m vertically
Compressed air	6 bar, dry, filtered, unooled, connection G1/4"
Air consumption at 6 bar	Suction tube Ø 20 mm: ca. 120 normal litre/min Suction tube Ø 28 mm: ca. 150 normal litre/min
Electric connection	Robatech devices: 24 Volt from the appliance Other devices: 230 Volt AC, 1LNPE

* Function and feeding capacity depends on the quality, size, shape and stickiness of the granules

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