

APEX™ HS Slot Die - Adhesive Applicator

ITW Dynatec's APEX™ High Speed Slot Die not only outperforms others in its class but also costs less, giving you the best value available in the industry today. The APEX™ Applicator is a highly precise air-operated adhesive applicator assembly, fit to your specifications with an optional filter manifold. It's flexible design allows for use in intermittent applications on a variety of substrates.

APEX™ High Speed Slot Die:

- Ideal for precise high speed intermittent adhesive patterns.
- Optional non-heated die width extension(s) for easier substrate handling.
- Air-operated modules feature spring-assist close for precise cut-off.
- Die lip design prevents build-up of unwanted materials.

Simplicity

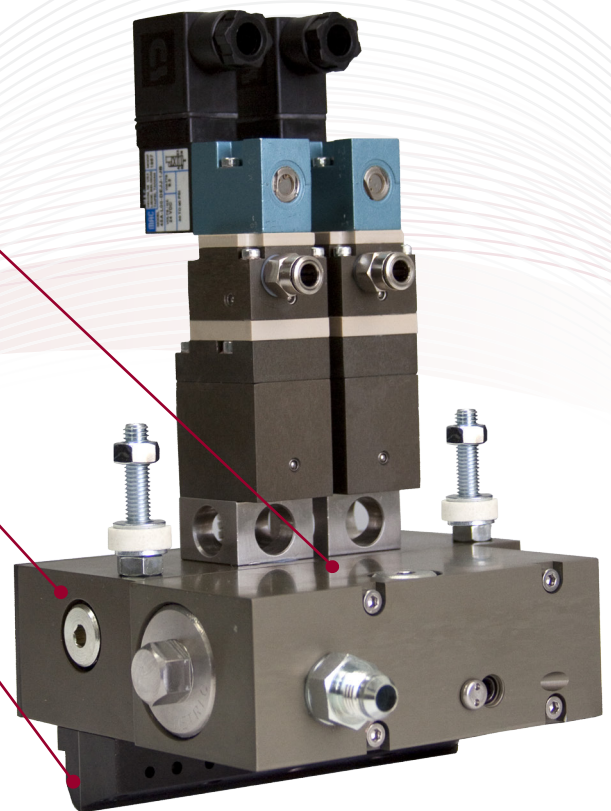
Reversible filter block allows for a variety of supply hose connections and configurations.

Reliability

High-accuracy platinum sensors for accurate temperature control.

Performance

Channels are optimized for the cleanest adhesive cutoff in the industry.



ITW Dynatec - APEX™ High Speed Slot Die

The Dynatec Difference...

The Next Level of Accuracy

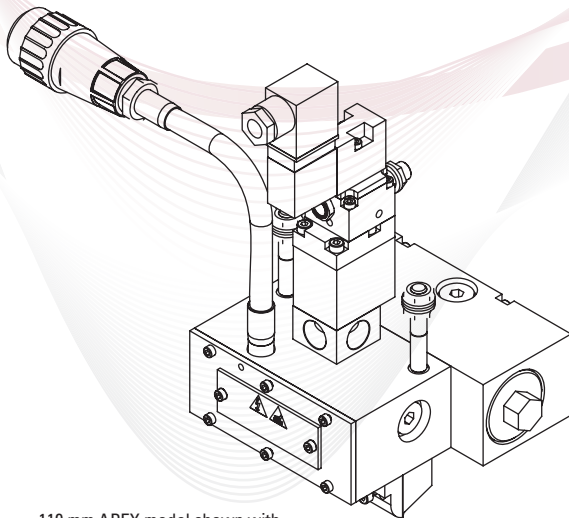
Two factors that any hot melt operation wants to keep in check are product and adhesive waste. The APEX™ HS Slot Die Adhesive Applicator offers a solution with its crisp, clean adhesive cutoff that the competition just can't match. Our design features reverse-acting modules and optimized channels tailored to specific patterns to achieve

the performance you only get from ITW Dynatec. Real-world tested with a wide range of adhesives and substrates, the APEX™ has been shown to minimize both adhesive and product waste, saving customers like you money every day.

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Available Head Widths	Modules/Control Zones	Max Coating Width
50 mm (1.97 in)	1 module/1 zone	40 mm (1.57 in)
76 mm (3.00 in)	1 module/1 zone	50 mm (1.96 in)
110 mm (4.33 in)	1 module/1 zone	60 mm (2.36 in)
150 mm (5.90 in)	2 modules/1 zone	100 mm (3.93 in)
190 mm (7.48 in)	3 modules/1 zone	140 mm (5.5 in)
270 mm (10.62 in)	5 modules/1 zone	220 mm (8.66 in)
*310 mm (12.2 in)	*6 modules/1 zone	260 mm (10.24 in)
*350 mm (13.78 in)	*7 modules/1 zone	300 mm (11.81 in)
390 mm (15.35 in)	8 modules/2 zones	340 mm (13.38 in)
470 mm (18.50 in)	9 modules/2 zones	420 mm (16.53 in)
*510 mm (20.08 in)	*10 modules/2 zones	460 mm (18.11 in)

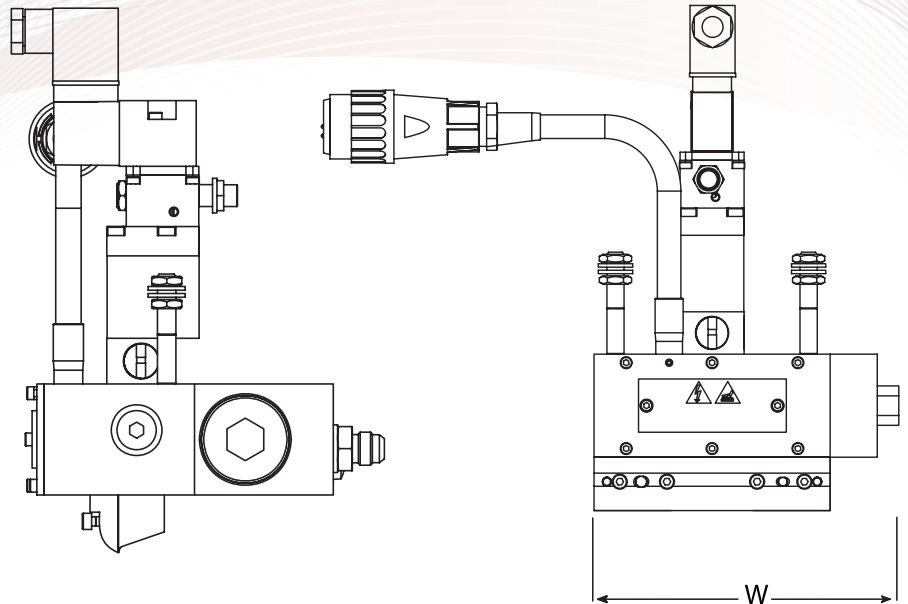
*May require additional production time



110 mm APEX model shown with standard module configuration

Module/Solenoid Configurations	Voltage
No module, block off	
Module w/ Manifold Mount Solenoid	24 VDC
Module w/ Tube Mount Solenoid	24 VDC
Module w/ Tube Mount, No Solenoid	
Module w/ Tube Mount Solenoid	110 VAC
Module w/ Tube Mount Solenoid	240 VAC
Module w/ Festo Solenoid	24 VDC
Special Flow Modules	Varies

Physical System	Details
Maximum on/off cycle speed	10,000 cycles per minute
Adhesive Viscosity	100 - 20,000 cps
Maximum Operating Temp.	200° C / 390° F
Pneumatic Pressure	5 to 9 bar (74 to 125 psi)
Adhesive Pressure	7 to 68 bar (100 to 1000 psi)
Supply Voltage	230 VAC, 50/60 Hz 1 Phase



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