

e.dot+™ Electric Applicators

Precisely dispense small dots or beads of hot melt adhesive at high production speeds



Extended
Service Life



High Speed



Precision
Dispense

All-electric e.dot+ applicators provide precise, high-speed dot or bead placement, quiet operation, a long service life and compact size. Engineered for extended life without any seals in motion to wear out. This offers a service life typically in excess of 20 times that of a traditional pneumatic module, resulting in superior productivity and very infrequent replacement.

They are particularly well suited for use in high-speed packaging lines making pharmaceutical and confectionary cartons with small flaps.

A reduced-cavity nozzle and ball and nozzle/seal design provides consistent dots or beads without stringing or tailing, at a wide range of line speeds. A fast-acting coil delivers small dots or beads at fast line speeds with on-times as low as 0.4 ms, with cycle rates as fast as 2 ms*.

The module coil connector allows fast replacement with minimal downtime.

Plug and play connections between the adhesive melter, gun, driver and small-diameter hose, a removable armature and seat, and interchangeable nozzles simplify installation and maintenance. An integrated Saturn filter removes any contaminants from the adhesive flow path.

Features

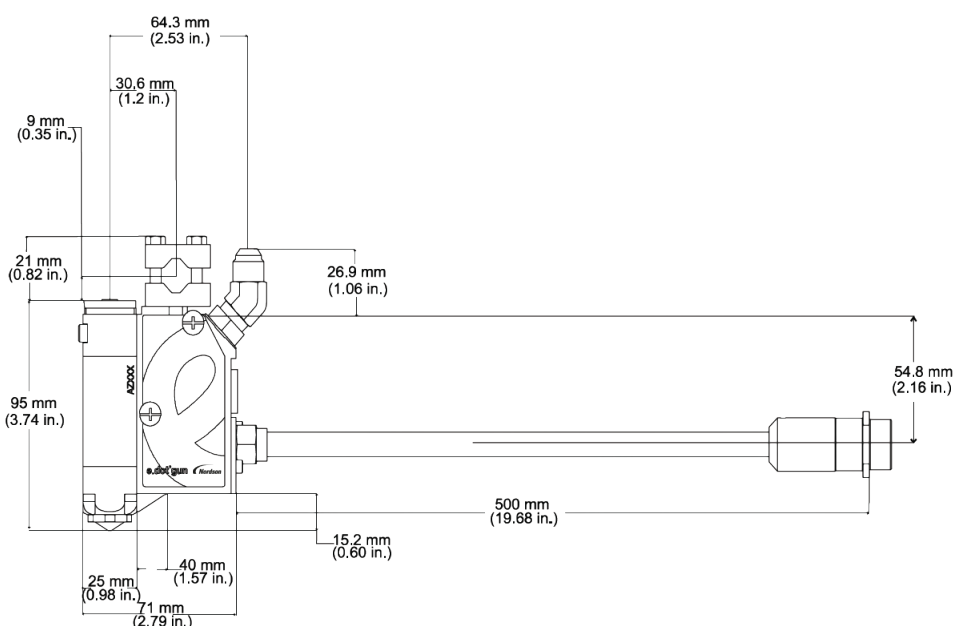
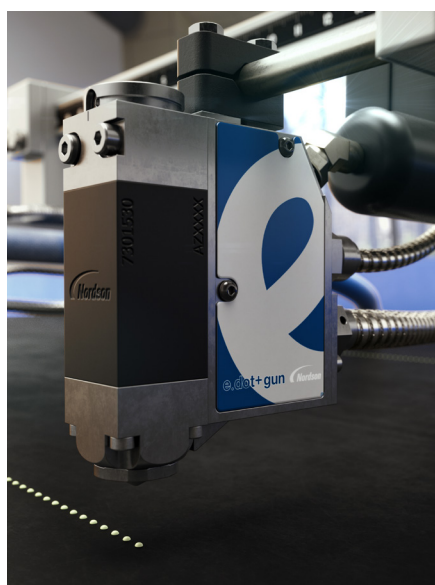
- Deliver accurate dot or bead placement at high speeds
- Require minimal space for installation and service
- Install quickly and easily
- Operate quietly



* Dependent on adhesive viscosity

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Specifications		
Coil Electrical Service	current controlled	Nordson driver controls actuation current
Heater Electrical Service	240VAC 50/60 Hz	Operating voltage of heater
Heater Wattage	Marked on identification plate	
Minimum Deposition Time	0.4ms	Depends on adhesive viscosity
Continuous Cycle Rate	up to 100Hz	Depends on temperature and duty cycle, application calculator available
Burst Cycle Rate	up to 500Hz	Depends on adhesive viscosity
Maximum Hydraulic Pressure	up to 100 bar (1450 psi)	Maximum rated pressure
Maximum Working Pressure	50bar (725 psi)	Maximum pressure module can actuate
Recommended Viscosity Range	200-1000mPas	Adhesive viscosity outside the recommended range may result in splashing, slower cycle times or an increase in stringing
Operating Temperature	up to 185° C (365° F)	Operating over 185° C may result in premature failure
Applicator Mounting	9 mm or 3/8" hex/round stock or 4.2mm through hole	
Module width	25 mm (1")	available in single and multi-module versions
Enclosure Rating	IP52	optional IP54 rated for water based solutions, not acidic or alkaline solutions
Nozzle sizes	0.25, 0.30, 0.35 mm	
Integrated Saturn Filter	200 Mesh	



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Why Nordson



Global

Supporting and collaborating with customers worldwide.



Value Innovation

Consistently creating customer value with innovative technology.



Direct

Direct offices in over 35 countries with local application experts nearby to help.

Direct contact or find your local Nordson office:

www.nordson.com/contact-packaging



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