Compact electric guns precisely dispense small dots or beads of hot melt adhesive at high speeds.

Nordson e.dot+™ Electric Guns

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

All-electric e.dot+ guns provide precise, high-speed dot or bead placement, quiet operation, a long service life and compact size. The all-electric design eliminates the need for compressed operating air and dynamic seals and a service life in excess of 200 million cycles means superior productivity and very infrequent replacement.

A reduced-cavity nozzle and ball and nozzle/seat design provides consistent dots or beads without stringing or tailing, at a wide range of line speeds. Manual stroke adjustment allows re-zeroing of the module after servicing.

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 1.8 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.

* Dependent on adhesive viscosity
e.dot+™ Electric Guns

Specifications

- **Maximum Hydraulic Pressure**: 10,000 kPa (100 bars/1450 psi)
- **Maximum Operating Pressure**: 4800 kPa (48 bars/700 psi)
- **Working Viscosity**: 1000 cps, max 5000 cps
- **Cycle Speed**: 1.8 ms*
- **Electrical Connections**: Quick-disconnect
- **Operating Temperature**: 365°F (185°C), max 392°F (200°C)**
- **Electrical Requirements**: See gun driver specifications
- **Heating Method**: Cartridge heater
- **Integrated Saturn Filter**: 200 mesh

* minimum on-time 0.4 ms viscosity dependent; use e.dot+ application guide.
** dependent on pattern; use e.dot+ application guide.

Gun Driver Specifications

<table>
<thead>
<tr>
<th></th>
<th>LogiComm Control System</th>
<th>LogiComm OEM Gun Driver Board</th>
<th>LogiComm Gun Driver</th>
<th>e driver Single Box</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td>4/8 channels / board</td>
<td>4 channels / board</td>
<td>4/8 channels / board</td>
<td>1 channel</td>
</tr>
<tr>
<td><strong>Electrical Service</strong></td>
<td>100-240 VAC, 50/60 Hz</td>
<td>110-230 VAC, 50/60 Hz; 24 VDC</td>
<td>100-240 VAC, 50/60 Hz</td>
<td>170 to 264 VAC, 50/60 Hz</td>
</tr>
<tr>
<td><strong>Maximum Gun Power Capacity</strong></td>
<td>160 Watts</td>
<td>110 Watts</td>
<td>160 Watts total</td>
<td>95 Watts</td>
</tr>
<tr>
<td><strong>Input Line Fuses</strong></td>
<td>3 Amps</td>
<td>2 Amps</td>
<td>3 Amps</td>
<td>2 Amps</td>
</tr>
<tr>
<td><strong>Trigger Source Options</strong></td>
<td>NPN or PNP</td>
<td>24 VDC</td>
<td>NPN or PNP</td>
<td>24 VDC and 5 VDC</td>
</tr>
<tr>
<td><strong>Enclosure Rating</strong></td>
<td>IP-30</td>
<td>IP-20</td>
<td>IP-X4 terminal block version</td>
<td>IP-20</td>
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</tbody>
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