PatternJet™ Hot Melt Dispensing Guns

Versatile guns maximize application flexibility and deliver sharp cutoff in high-speed applications.

PatternJet guns:

- Maximize productivity with easy module and filter replacement
- Provide precise, consistent patterns
- Deliver fast response time with integrated module and applicator body

Ideal for high-speed lines, PatternJet guns apply a wide variety of adhesive patterns faster, more accurately and with less material waste.

PatternJet guns can be easily integrated into most packaging lines. The flexible design allows for custom configuration and speeds product changeovers.

Standard gun versions use non-waterwash Blue Series™ hoses and non-boosted solenoids. Boosted solenoids, which are used to achieve higher line speeds, are only available with the waterwash configuration.

For maximum pattern flexibility, PatternJet guns can be fitted with contact or non-contact nozzles. Nordson® precision nozzles apply the correct volume of adhesive time after time to reduce adhesive waste and virtually eliminate angel hair.

Summit™ nozzles and Universal™ Controlled Fiberization™ nozzles require a remote-mounted air heater. MiniBead nozzles and slot nozzles may be used without the air heater.
**Specifications**

- **Operating Temperature**: 93-191°C (200-375°F)
- **Maximum Operating Hydraulic Pressure**: With module air pressure 60 bar (870 psi), Without module air pressure 15 bar (218 psi)
- **System Hydraulic Pressure**: 89.6 bar (1,300 psi) maximum
- **Module-actuating Air Pressure**: 4 bar (58 psi) minimum, 6 bar (87 psi) recommended
- **Air Consumption (per nozzle)**: ~7.1-28.3 nlm (~0.25-1.0 scfm) for Summit or Controlled Fiberization nozzles
- **Temperature Sensors**: Nickel 120 ohms only
- **Operating Voltage**: 230 VAC 50/60Hz
- **Solenoid Control Voltage**: 24 VDC
- **Adhesive Viscosity**: 500-15,000 cps
- **Adhesive Pattern Capability**: Continuous or intermittent

**Cycles**: Up to 9000 cycles/min (dependent on pressure & viscosity)

**Dimensions**

<table>
<thead>
<tr>
<th>Nozzle Type</th>
<th>Pattern</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controlled Fiberization nozzle</td>
<td>Large swirl</td>
</tr>
<tr>
<td>Summit nozzle</td>
<td>Mini-swirl</td>
</tr>
<tr>
<td>MiniBead nozzle</td>
<td>Small beads</td>
</tr>
<tr>
<td>Slot nozzle</td>
<td>Flat ribbon</td>
</tr>
</tbody>
</table>

*Maximum dimension shown for slot nozzle*

For more information, talk with your Nordson representative or contact your Nordson regional office.

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