The Nordson Summit II process accurately dispenses adhesive to elastic strands used for elasticized legs, leg cuffs and waistbands on baby diapers, training pants and adult incontinence products.

The innovative non-contact process uses four radially tangential air jets to oscillate a dedicated adhesive fiber, wrapping it around the elastic strand. Uniform coating of each strand improves creep resistance, especially in the center strands.

**Features and Benefits**
- **Design flexibility** accommodates multi-strand and individual-strand applications.
- **Exceptionally low add-on rates and consistent adhesive patterns** improve product quality.
- **Oscillating adhesive fibers** uniformly coat individual elastic strands, improving creep resistance.
- **Dedicated adhesive deposition** on each elastic strand or strip reduces adhesive consumption.
- **Discrete bond points** improve heat retention and open time, which maximize product performance.
- **Concentrations of adhesive** enhance product-feature elasticity.
- **Made-to-order dies** meet specific elastic configuration requirements.
- **Elastomeric seal** separates adhesive and air passages within the die.
- **Easy hardware changeover** with other Nordson applicator technologies allows manufacturing versatility.
- **Elastic-attachment nozzles** are compatible with 2-way and 3-way (metering) pneumatically actuated modules, as well as high-speed electrically actuated E-400 modules.
Summit™ II Process for Elastic Attachment

Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Elastic Threads</th>
<th>Elastic Strips</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add-on Weight</td>
<td>0.025 to 0.030 grams/coated meter</td>
<td>0.040 grams/coated meter</td>
</tr>
<tr>
<td>Intermittent</td>
<td>Excellent</td>
<td>Excellent</td>
</tr>
<tr>
<td>Performance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nozzle Size</td>
<td>0.016 in. (0.41 mm)</td>
<td>0.018 in. (0.46 mm)</td>
</tr>
<tr>
<td>Nozzle to Substrate Distance</td>
<td>0.20 to 0.31 in. (5 to 8 mm) typical</td>
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</tr>
<tr>
<td>Air Pressure</td>
<td>2 to 10 psi (0.13 to 0.68 bar)</td>
<td>2 to 10 psi (0.13 to 0.68 bar)</td>
</tr>
<tr>
<td>Air Consumption</td>
<td>0.07 to 0.21 scfm per nozzle</td>
<td>0.07 to 0.21 scfm per nozzle</td>
</tr>
<tr>
<td>Adhesive Fiber Size</td>
<td>80 to 110 microns</td>
<td>100 to 150 microns</td>
</tr>
</tbody>
</table>

1 Results are typical and may vary based on specific adhesive and application.

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

United States
Dawsonville, Georgia
Telephone: (800)-727-7224
Facsimile: (706) 216-2981

Europe
Lüneburg, Germany
Telephone: (49) 4131-894-0
Facsimile: (49) 4131-894-149

Japan
Tokyo, Japan
Telephone: (81) 3-5762-2700
Facsimile: (81) 3-5762-2701

Asia/Australia/Latin America
Amherst, Ohio
Telephone: (440) 985-4496
Facsimile: (440) 985-1096

www.nordson.com

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