TrueCoat® HP Slot Applicators

Continuous Coating Applicators

High-Performance (HP) slot applicators for highest product quality and production efficiency

Features and Benefits

- Optimized, uniform adhesive distribution assures high product quality
- Bending zone functionality grants highest accuracy of cross web distribution
- Designed for high production flexibility for a wide range of application add-on weights
- Suitable for narrow and wide web coating
- Quick-exchange nozzles, filters and solenoids make maintenance faster and increase machine uptime
- Induction hardened nozzle lip for high wear resistance
- Easy to clean surface for quick and easy maintenance
- Engineered trolley for safe and easy nozzle changes separately available for order

TrueCoat® HP Slot Applicators are developed to improve the industry standard for achieving high accuracy of adhesive distribution in cross-web and machine direction.

TrueCoat® HP Slot Applicators can apply a variety of hot melt adhesives – pressure-sensitive adhesive (PSA), ethylene-vinyl acetate (EVA), polyolefin (PO) – to a wide range of substrates including paper, foils (PP, BOPP, PET, PVC), nonwoven, fabric, and velour.

TrueCoat® HP applicators offer:
  • High accuracy of adhesive distribution in cross web and machine direction
  • Suitable for low add-on weights (gsm)
  • Customized shim plates and roller bars to support various coating widths
  • Offer a wide range of adhesives and substrates (e.g. paper, veneer, foil and film)

TrueCoat® HP applicator delivers a highly consistent application of adhesive to the web in both cross-web and machine direction. The TrueCoat® HP with a roller bar nozzle grants full and stripe coating pattern with streakless appearance and provides also best “clear-to-clear” coatings. Several applicator variants, including customized shims, are available to meet specific customer production requirements.

Nordson
### TrueCoat® HP Slot Applicators  
**Continuous Coating Applicators**

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Small Profile</th>
<th>Medium Profile</th>
<th>Large Profile</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Applicator Width</strong></td>
<td>250 to 400 mm</td>
<td>550 to 1050 mm</td>
<td>1100 to 2300 mm</td>
</tr>
<tr>
<td><strong>Coating Width</strong></td>
<td>50 to 350 mm</td>
<td>351 to 850 mm</td>
<td>851 to 2100 mm</td>
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<tr>
<td><strong>Add-on Weight:</strong></td>
<td></td>
<td>5 to 20 g/m² (gsm)</td>
<td>20 to 500 g/m² (gsm)</td>
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<tr>
<td>1. Against web tension</td>
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<td></td>
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<tr>
<td>2. Against back up roll</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Against back up roll with rotating bar</td>
<td></td>
<td>12 to 30 g/m² (gsm)</td>
<td></td>
</tr>
<tr>
<td><strong>Supported Adhesive Types</strong></td>
<td>PSA / EVA / PO (Poly Olefin) / UV Acrylic (on request)</td>
<td></td>
<td></td>
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<tr>
<td><strong>Adhesive Viscosity</strong></td>
<td>1000 to 50,000 mPa.s (cps)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Number of Filters (Adhesive Inlets)</strong></td>
<td>1 to 6</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Line Speed</strong></td>
<td>20 to 300 m/min (65.62 to 984.24 ft/min)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Operating Air Pressure</strong></td>
<td>4 to 6 bar (58 to 87 psi)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Maximum Operating Temperature</strong></td>
<td>200°C (392°F)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Electrical</strong></td>
<td>230 VAC, 50/60 Hz</td>
<td></td>
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<tr>
<td><strong>Temperature Sensors (RTD)</strong></td>
<td>PT100 or Ni120</td>
<td>PT100</td>
<td>PT100</td>
</tr>
<tr>
<td><strong>Degree of Protection</strong></td>
<td>IP50</td>
<td></td>
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</tbody>
</table>

### Application Methods

- **Against web tension – porous surface**  
  TrueCoat® HP

- **Against backup roller – full surface**  
  TrueCoat® HP

- **Against backup roller – full surface/streakless**  
  TrueCoat® HP with roller bar

- **Trolley for nozzle exchange**

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

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