ExcelCoat ZRS
Fully-Automated Offline/Inline Spot and Flood Coating System

- Spot or Flood Coating  
  *(Can do both on same machine)*
- Quick Change Coating Sleeves
- AQ and/or UV Coatings & Primers
- Chamber/Anilox
- Camera Sensor Sheet Registration
- Offline or Inline
- Packaging or Commercial Applications

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# ExcelCoat ZRS Specs

**Fully Automated Offline/Inline Spot and Flood Coating System**

## ZRS Coating Specifications

<table>
<thead>
<tr>
<th>Types of Coating</th>
<th>Gloss UV, High Gloss UV, Matte UV, Specialty UV, AQ, Primer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>Up to 250 Centipoises</td>
</tr>
<tr>
<td>pH</td>
<td>Standard Components work with a pH range of 6.0-9.8. Coating outside of this range may require stainless steel components</td>
</tr>
</tbody>
</table>

## Sheet Specifications

<table>
<thead>
<tr>
<th>Min. Sheet Size (L x W)</th>
<th>Max. Sheet Size (L x W)</th>
<th>Min. Sheet Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>13” x 19” (330mm x 480mm)</td>
<td>24.5” x 30” (620mm x 760mm)</td>
<td>0.004” (0.10 mm) caliper for UV &amp; 0.006” (0.15 mm) caliper for AQ</td>
</tr>
<tr>
<td>8” x 11” (200mm x 280mm)</td>
<td>30” x 30” (760mm x 760mm)</td>
<td>At reduced speed on coated paper stock</td>
</tr>
<tr>
<td>8” x 11” (200mm x 280mm)</td>
<td>42” x 30” with optional Long Feeder</td>
<td></td>
</tr>
</tbody>
</table>

- *Specialized coatings or substrates may require reduced speeds*

## Max. Coating Width

- 30” (770 mm)

- *At reduced speed on coated paper stock*

## Spot Coat Flood Coat

### Speed Specifications

<table>
<thead>
<tr>
<th>Max. Speed</th>
<th>Spot Coat</th>
<th>Flood Coat</th>
</tr>
</thead>
<tbody>
<tr>
<td>20” x 30” sheet = 4,000+ SPH</td>
<td>13” x 19” sheet = 5,000+ SPH</td>
<td>8” x 11” sheet = 12,700 SPH</td>
</tr>
<tr>
<td>Registration Accuracy:</td>
<td>- +/- .032” (+/- 0.8mm) or less</td>
<td>20” x 30” sheet = 6,300 SPH</td>
</tr>
</tbody>
</table>

- *Registration Accuracy: +/- .032” (+/- 0.8mm) or less*

### Registration Accuracy

- +/- .032” (+/- 0.8mm) or less

## Set-Up and Clean-Up Time

- Automated Set-up Time: 5 Minutes
- Automated Wash-up Time: 10 Minutes
- Types of Cleaning Fluid: UV & AQ Wash

## Power / Air / Venting Requirements

### Power

- 480 VAC, 27-116 Amps (depending on options), Three Phrase (or)
- 400 VAC, 33-139 Amps (depending on options), Three Phrase

### Air

- 2.5 CFM at 90 PSI = 70 l/min at 6 bar
- With Thin Substrate Air Bar Option: 8 CFM at 90 PSI = 225 l/min at 6 bar

### Venting

- 12”/305 mm ID exhaust duct to outside with maximum straight length of 100’/30,480 mm
- (subtract 22’/6,706 mm for every 24”/610 mm, 90° bend)

## Floor Space Requirements

- Base Coater: 19’ Long x 7’-1” Wide x 4’-1” Tall - Approx. weight 6500 lb
- Base Coater with Feeder: 25’- 8” Long x 7’-1” Wide x 4’-1” Tall
- Base Coater with Feeder & Stacker: 30’- 2” Long x 7’-1” Wide x 4’-1” Tall

- *All ExcelCoats should have 3 feet / 1 meter of working space around all sides*