INNOVENT+™

The most advanced and flexible binder jet 3D printer in a compact package.

Innovent+™ is designed to reliably produce functional parts in a variety of materials, including metal, ceramics, and composites. The newest generation Innovent+ is easy to use and comes with patented dispensing, spreading and compacting technology — critical for getting a consistent, high-quality print from fine powders. Improved print speed control. New enhanced safety features, such as dust control.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Build Dimensions</th>
<th>Max. Throughput</th>
<th>Layer Thickness</th>
<th>Volume</th>
<th>Print Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>160 x 65 x 65 mm (6.3 x 2.5 x 2.5 in.)</td>
<td>166 cc/hr 10 in³/hr</td>
<td>30 to 200 μm</td>
<td>0.676 L (41 in³)</td>
<td>30 μm voxels</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Min. Powder Size</th>
<th>External Dimensions</th>
<th>Weight</th>
<th>Electrical Requirements</th>
<th>Binder Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 μm (d50)</td>
<td>1,203 x 1,016 x 1,434 mm (47.4 x 40.0 x 56.5 in.)</td>
<td>500 kg (1,100 lbs)</td>
<td>120V 1-phase 60Hz 230V 1-phase 50Hz</td>
<td>Aqueous, Solvent, Phenolic</td>
</tr>
</tbody>
</table>

* Print resolution is based on using a 10 picoliter printhead and 30 μm layer. Results may vary on system configuration and materials used.

Operator interface: Full HD multi-touch display, On-board Wi-fi, USB input

Software: Model review, rescaling technology, check customizable, print parameters

SYSTEM BENEFITS

- EH&S options for improved cleanliness
- Precision powder dispensing
- Improved print speed control
- Ultrasonic recoater for powder dispensing with simplified powder changeover
- Adaptable Ultrasonic recoater screens to increase powder compatibility
- Designed to reliably produce functional parts in a variety of materials, including metal, ceramics, and composites.
- Process options enabled by various printhead sizes, including; 80, 30, or 10 picoliter printhead
- Able to print in a wide-variety of powders including standard MIM powders