

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

Build Box	Max. Build Rate	Layer Height	Build Volume	Print Resolution
160 x 65 x 65 mm (6.3 x 2.5 x 2.5 in)	166 cc/hr 10 in ³ /hr	30 to 200 µm	0.676 L (41 in ³)	30 µm voxels
Min. Powder Size	External Dimensions	Weight	Electrical Requirements	Binder Systems
2 µm (d50)	1,203 x 1,016 x 1,434 mm (47.4 x 40.0 x 56.5 in)	500 kg (1,100 lbs)	120V 1-phase 60Hz 230V 1-phase 50Hz	Aqueous, Solvent, Phenolic

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

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