

# INNOVENT+<sup>™</sup>

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



Innovent+<sup>™</sup> 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

Process cell including job box

Build Dimensions	Max. Throughput	Layer Thickness	Volume	Print Resolution
160 x 65 x 65 mm (6.3 x 2.5 x 2.5 in.)	166 cc/hr 10 in <sup>3</sup> /hr	30 to 200 µm	0.676 L (41 in <sup>3</sup> )	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.

**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