

Complete, Affordable Solution for Lab Environments

Designed for research and education customers, the Innovent™ printer is an excellent tool for developing powdered materials and processes and training the next generation of manufacturing engineers and material scientists, enabling the exploration of ExOne® technology under industrial conditions.



Simple, low cost solution

- Compact size ideal for laboratory use
- Simple to set-up, use and maintain
- Includes innovent™ Curing and Depowdering Accessory Kit and Printhead Cleaning and Maintenance Kit
- Available with furnace and curing oven
- Comprehensive hands-on training program

Breakthrough technology

- No support structures
- Proven printhead technology for precise jetting of binding agent

Industry-grade materials

- Print in stainless steel, iron, bronze, tungsten, Alloy IN 625 and glass. Optionally configure for testing with other materials.
- Produce small functional prototypes

innovent™ consumables^{1,2}

- ExOne® Binder (Aqueous, Solvent)
- ExOne® Stainless Steel Powder (S3, S4)
- ExOne® Bronze Powder Infiltrant
- ExOne® Cleaner
- ExOne® Thermal Support Powder



TECHNICAL SPECIFICATIONS

Process cell including job box

Build volume	l x w x h 6.3 x 2.5 x 2.5 in. (160 x 65 x 65 mm)
Build speed	30–60 seconds/layer ³
Layer thickness	Variable, minimum 0.002 in. (50.0 µm) ³
Print resolution	X/Y/Z 0.003 / 0.002/ 0.004 in. ^{2,3} (63.5 µm/ 60.0 µm/ Z 100.0 µm ^{2,3})
External dimensions	l x w x h 47.4 x 35 x 56.5 in. (1203 x 887 x 1434 mm)
Weight	700 lbs (320 kg)
Electrical requirements	120V 1P 60Hz / 230V 1P 50Hz
Data interface	STL, CLI, SLC
Operator interface	Full HD (1920 x 1080) multi-touch display

PROPRIETARY INFORMATION

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Materials processed on machines other than by ExOne and/or with different processes and/or technology may differ as to their properties. ExOne® research and development efforts are ongoing and ExOne reserves the right to revise the information at any time without notice. ExOne does not provide any warranties or other obligations hereby, and will only provide such warranties or other obligations, if any, either in a definitive purchase contract executed by ExOne or in its standard terms and conditions of sale contained in an order acknowledgement.

¹ Range of materials and particle sizes available – please contact your sales rep. ²Typical. ³Material dependent.