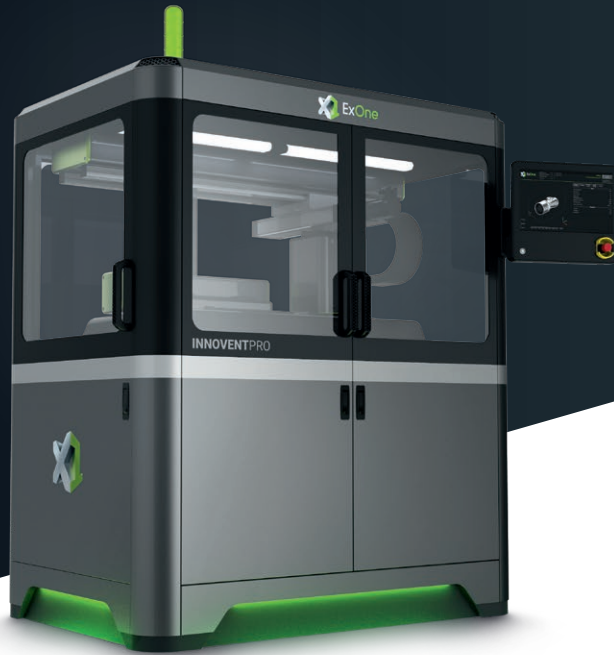


# InnoventPro™

3L Printer



**The InnoventPro™  
will be the world's most  
advanced entry-level model  
for metal binder jetting.**

With the InnoventPro™, ExOne is delivering an advanced entry-level system that combines the ease of use of the Innovent+® (the world's best-selling metal binder jetting system since 2016) with the production robustness of the X1 25Pro® launched in 2019.

This open-materials printer is capable of 3D printing more than 20 materials and is suitable for academics, researchers, and any manufacturer who wants to 3D print parts quickly, affordably and sustainably. The InnoventPro™ 3L is slated for volume delivery in Q2 2022.

## TECHNICAL DATA

<b>Build boxes</b> (L × W × H)	125 × 220 × 100/200 mm (4.9 × 8.7 × 3.9/7.9 in)
<b>Max. build rate</b>	700 cc/hr
<b>Layer height</b>	30 – 200 µm
<b>Build volume</b>	2.75 L (167.8 in <sup>3</sup> )
<b>Print resolution*</b>	>30 µm voxels
<b>Min. powder size</b>	5 µm (d50)

<b>External dimensions</b> (L × W × H)	1,350 × 2,201 × 2,159 mm (53.1 × 86.6 × 85.0 in)
<b>Electrical requirements</b>	208-240 single phase 15.5 AMP – EU certification in second half of 2022 – power requirements may change
<b>Binder systems</b>	CleanFuse™, FluidFuse™, AquaFuse™, PhenolFuse™, NanoFuse™

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





## X1 Powder Grip™

The X1 Powder Grip™, an ergonomically friendly 2-liter powder container that's part of an innovative powder management system for the all-new InnoventPro™ metal 3D printer.

To load metal powder into the new machine, a user positions two easy-to-use X1 Powder Grip™ containers, which weigh about 20 pounds each when fully loaded with 316L stainless steel, into a powder hopper at the rear of the machine with an easy quarter-turn. After the powder release valve is opened, a

conveyance system lifts the powder hopper from a loading position into the build area for recoating and printing.

The X1 Powder Grip™ is also designed to be seamlessly used for powder reclamation and reuse with an all-new depowdering station that pairs with the InnoventPro.



### SYSTEM BENEFITS

- Combines the best of the Innovent+ entry-level and X1 25Pro® and X1 160Pro™ production metal printers
- Offering a bigger 3L build area and the same fast, recirculating printhead as the Pro-series printers
- Features ExOne's Triple ACT advanced compaction technology for industry-leading quality
  - Entry-level affordability, delivering lower part costs
  - All-new powder containment system featuring X1 Powder Grip™
  - First in an entry-level system from ExOne
- X1 Powder Grip™ locks in place in printer and on all-new depowdering station for easy reuse
- Material flexibility on powders and binders
  - Capable of 3D printing all qualified ExOne metals, ceramics and other powders
  - Capable of 3D Printing NanoFuse™ binders
- Easily scales to larger models, by using the same printheads as Pro-series printers
- Complete turnkey solution with X1F advanced furnace