

bigrep **VIIO**²⁵⁰



The Next Level of Automated Production.

The large-scale BigRep VIIO 250 is a fully automated 3D printer for reliable continuous industrial manufacturing. To achieve this, the machine is built with breakthrough automation features: a backup extruder function - **Relay Mode**, auto print bed calibration, autosequential printing, and the automated filament handler - **Infinity Box**. Featuring dual **Smart Manufacturing Extruders** and an intuitive user machine interface with animated guides, using an industrial 3D printer has never been this easy. These combined automation features deliver a big impact: **maximized machine efficiency**. Print more quality parts in less time so you can save costs and get production off your hands. With the VIIO 250, **spend less time printing and more time doing**.

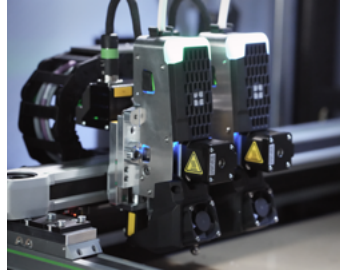
BIGREP VIIO 250 KEY FEATURES



Large Scale Build Volume

The Generous Build Chamber

The 250-liter (1000mm X 500mm X 500mm) spacious build chamber comes with an active temperature control up to 50°C. Built with a compact design, the VIIO 250 offers large-format printing capabilities in a robust, sleek frame that fits for any workspace.



Dual SMX Extruders

Uninterrupted Productivity

Advanced print monitoring thanks to dual SMX (Smart Manufacturing Extruders) extruders that reach up to 350°C with embedded sensors for precise control. The extruders have LED light indicators to signal different statuses and come in 3 nozzle sizes - 0.4, 0.6, and 1.0mm.



24/7 Automation

Reliable Unattended Production

Auto calibration including bed mapping and flow rate adjustment makes printing easier than ever. The Infinity Box automatically loads new filament during the print job, and Relay Mode automatically switches to a backup extruder for reliable non-stop printing.



Open Materials Platform

With Optimal Material Conditions

The VIIO 250 is an open material platform. Use BigRep filament for best quality or a third party's for maximum flexibility. The Infinity Box doubles as an active keep-dry box to store filament in optimal conditions and holds 4 spools of up to 8kg each.

TECHNICAL SPECIFICATIONS

Version	BigRep VIIO 250
Build Volume	x 1000 y 500 z 500 mm (x 39.4 y 19.7 z 19.7 in)
Printing Technology	Fused-Filament-Fabrication (FFF / FDM)
Compatible Materials	BigRep ASA, HI-TEMP, HI-TEMP CF, PA12 CF, PETG, PLA, PLX, PRO HT, TPU 98A Open for 3rd party materials.
Support Materials	BigRep BVOH Open for 3rd party materials.
Extruders	Dual Smart Manufacturing Extruders (SMX) Interchangeable hotend with 0.4mm, 0.6mm, 1.0mm nozzles.
Layer Heights	0.2mm, 0.3mm, 0.5mm Other layer heights supported through slicer software.
Nozzle Temperature	Up to 350 °C (662 °F)
Print Bed Temperature	Up to 120 °C (248 °F)
Build Chamber Temperature	Up to 50 °C (122 °F)
Print Speed Throughput	Up to 500 mm/s Up to 166cm³/h
Position Accuracy	±0.004mm in XY, ±0.003mm in Z
Printer Weight	Approx. 560 kg, 62 kg Infinity Box (1235 lbs, 137 lbs Infinity Box)
Size	x 1634 y 1069 z 1829 mm (x 64.3 y 42.1 z 72.0 in)
Power	208-240 V, 50/60Hz, 16 A

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