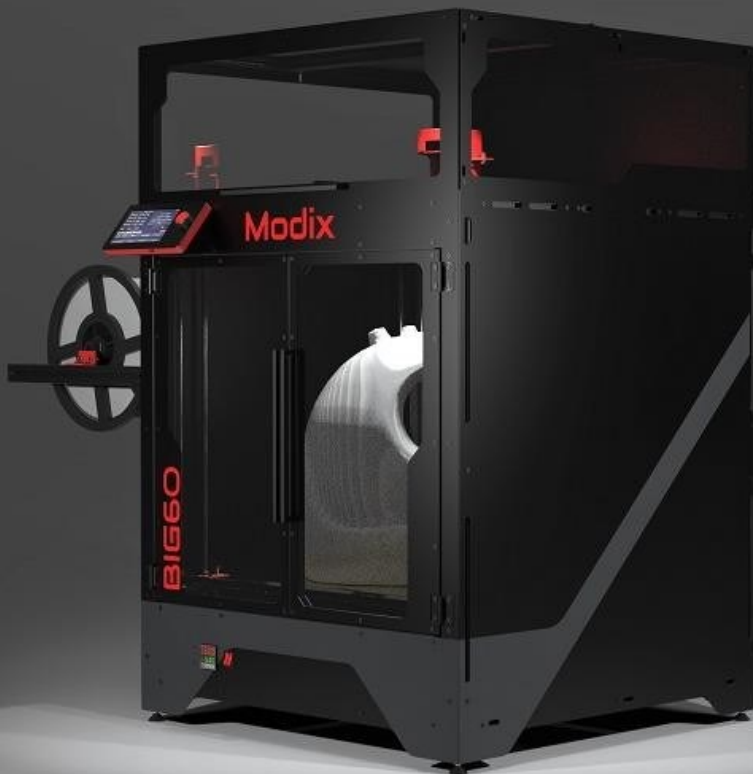


Modix

Large Scale 3D Printers



Print BIG

At Modix, we design large-scale 3D printers for professionals and businesses that demand superior performance and reliability. Our BIG series printers combine robust construction with high-quality components, offering unparalleled customization and efficiency. Engineered for both self-assembly and easy upgrades, our printers are equipped with advanced features to meet diverse 3D printing needs.



BIG-60
600x600x660 mm



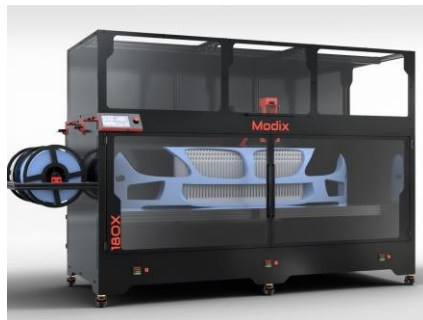
BIG-120Z
600x600x1,200 mm



BIG-120Z
1,200x600x640 mm



BIG-Meter
1,000x1,000x1,000 mm



BIG-180X
1,800x600x600 mm



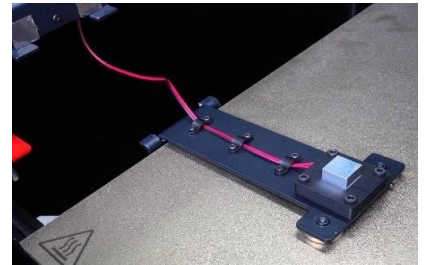
Everest
970x1,030x2,000 mm

IDEX

Our BIG printers feature a comprehensive IDEX (Independent Dual Extruder) solution, enabling efficient multi-material printing. Designed for large-scale 3D printing, our IDEX solution reduces post-processing time and allows the creation of complex models by integrating a secondary print head with support material, such as soluble filament. This includes:

Calibration Sensor

Calibration sensor enables precise, hands-off calibration of two nozzles in the XYZ axis preventing overlapping of the support material into the model.



Modix Slicer

Modix Slicer offers superior wiping tower settings for large-scale 3D printers. It supports dual print heads with different nozzle diameters and more.



Versatile Configurations

The Modix IDEX system allows mixing the high-flow Griffin Ultra with the standard Griffin hotend for support material, enhancing efficiency and print quality.



Soluble Filament

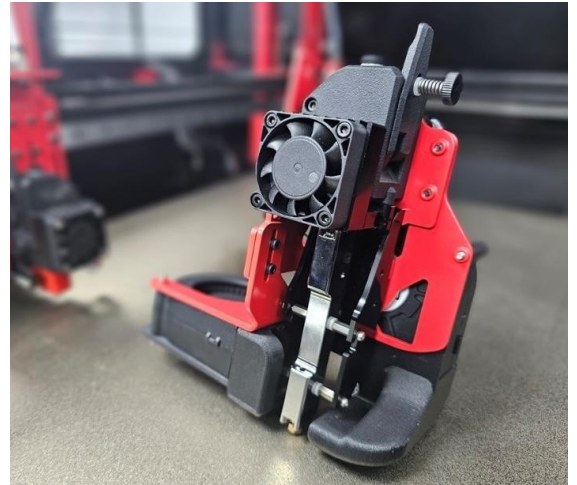
Modix soluble filament resists moisture absorption from air, allowing it to stay in the idle hotend for extended periods without degrading.



Ultra Fast

The Griffin Ultra offers an impressive extrusion capacity of 500 gr/hour (>160mm³/s) with a 1.6 mm nozzle for fast, thick layer printing. It completes substantial prints in hours, not days.

By printing layers of 1.2 mm vs. standard 0.4 mm, it prints with three times fewer layers. With larger diameter nozzle it can also increase solid layer and perimeter speeds by 2.6 times. These enhancements make the Griffin Ultra up to six times faster than conventional extruders.



Model	Size XYZ (cm)	Griffin Standard 0.6 mm nozzle 0.3 mm layer	Griffin Ultra 1.6 mm nozzle 1.2 mm layer	Impact
Bottle	45*45*200	77 hours, 3.2 days	17 hours	X 4.6 faster 60 hours saved 2.5 days saved
Container	44*46*29	80 hours, 3.3 days	12 hours	X 6.6 faster 68 hours saved 2.8 days saved
Bracket	63*18*0.3	4.5 hours	50min	X 5.4 faster 3.6 hours saved

