



## MEET YOUR PARTNER

The world of 3D printing is moving fast. IC3D needed a printer that could withstand the challenge of 24/7 printing with flexible & abrasive materials at high temperatures. We made one for ourselves, & now we are bringing that to you.

The IC3D 700 brings reliable & consistent 3D printing of large objects from the widest variety of engineering-grade materials to be battle ready to tackle your most challenging missions.

Designed & Assembled in Columbus Ohio, USA.

## CONTACT IC3D

WEBSITE:  
[ic3dprinters.com](http://ic3dprinters.com)

EMAIL:  
[sales@ic3dprinters.com](mailto:sales@ic3dprinters.com)

PHONE:  
614-344-0414



## INDUSTRIAL 3D PRINTER

### SPECIFICATIONS

#### Properties

3D Printing Technology – Fused Filament Fabrication  
Build Dimensions (X, Y, Z) – 600x700x785 mm. (24x28x31 in.)  
Build Volume – 329,700 cm.<sup>3</sup> (20,832 in.<sup>3</sup>)  
Operating Footprint – 865x1170x1865 mm. (34x46x73.5 in.)  
Maximum Travel Speed – 500 mm./s  
Closed-Loop Stepper Motors for X and Y (Spring 2021)

#### Reliability

750 lb. Steel Weldment Frame  
THK Linear Actuators  
NSK Bearings  
igus Flex Cabling and Energy Chain

#### Tool Head

Independent Dual Extruders (IDEX)  
Extruder – Dual Gear Drive  
Nozzle Size – 0.6 mm. (Available in 0.4 mm. – 2.5 mm.)  
Max Temp – 300°C  
Additional Tool Heads for Abrasive Materials Available

#### Build Platform

Removable Magnetic Flex Plate  
PEX Print Surface  
Max Temp – 125°C

#### Materials

Enclosed Filament Compartment  
Filament Diameter – 1.75 mm. or 2.85 mm.  
Supported Materials – ABS, PETG, PLA, UV PETG, ASA, PC Alloys, Flexibles (TPU, TPC), Nylon, Thermally Conductive Nylon, High Temp ABS, Glass Fiber Composites, Carbon Fiber Composites

#### Software/Electronics

Included Slicer License – Simplify3D  
Duet3D Controller  
Remote Connectivity – Ethernet  
Filament Runout and Jam Detection (Spring 2021)  
Uninterruptible Power Supply (UPS) Included

#### Warranty and Support

Standard Warranty 1 Year Parts  
Extended Warranties Available  
Service and Materials Contracts Available  
Engineering Support for Applications Development Available