VIRAGO 1200

INDUSTRIAL 3D PRINTER

SPECIFICATIONS

MEET YOUR PARTNER

IC3D needed a machine capable of producing even larger parts with the same round-the-clock reliability and material versatility we demand in our own production. So we built one – and now it's available to you.

The IC3D Virago 1200™ delivers precision, power, and flexibility at scale – enabling consistent 3D printing of oversized parts across a wide range of engineering-grade material.

Designed & assembled in Columbus Ohio, USA.

Properties
3D Printing Technology – Fused Filament Fabrication
Single Tool Head Build Dimensions (X, Y, Z) – 1250x1250x1205 mm (49.5x49.5x47.5 in)
TriFLX™ Build Dimensions (X, Y, Z) – 1050x1250x1205 mm (41.5x49x47.5 in)
Standard Build Volume – 1,883,000 cm^3 (67.35 ft^3)
Maximum Travel Speed – 500 mm/s
Filament Runout and Jam Detection – Filament Heads Only
Runout Detection – Pellet Tool Heads

Reliability
Welded Steel Frame
THK Ball Screw Linear Motion
NSK Bearings
igus Flex Cabling and Energy Chain

Tool Head
TriFLX Three Tool Changer
Extruder – Dual Gear Drive
Slice Engineering Magnum Plus Filament Hot Ends
Nozzle Sizes Available – 0.4, 0.5, 0.6, 0.8, 1, 1.2, 1.4, 1.8 mm
Dyze Pulsar Pellet Extruder
Nozzle Sizes Available – 1, 3, 5 mm
Max Temp – 290°C
Additional Tool Heads for Abrasive Materials Available

Build Platform
Magnetic Flex Plate
Steel Print Surface
Standard Max Temp – 130°C
Actively Heated Build Chamber Optional

Materials
Filament Dryer Included
Enclosed Filament Compartment Optional
Material Feed – 1.75 mm, 2.85mm, or Pellet-fed depending on configuration
Supported IC3D Materials – ABS, ASA, CF PETG, PETG, PLA, UV PETG, PC Alloys, PolyHex™, Flexibles (TPU, TPC), Nylon, R-PETG, HIPS
Supported Materials non-IC3D: All open materials can be supported.

Software/Electronics
Recommended & Supported Slicer: Simplify3D
Duet3D Controller
Remote Connectivity – Ethernet
Uninterruptible Power Supply (UPS) Included
Onboard PC

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