

3D Printer Technical Specification Sheet

The ICARUS 3D Printer, by ProteorPRINT, was created for High-Flow 3D Printing. High-Flow 3D Printing means larger objects can be printed in a fraction of the time. A filament option, using the Typhoon FDM extrusion system, is available using the new air-cooled version from Dyze Design.

- Check socket
- Scoliosis brace
- Definitive Socket

Model Name: ICARUS

Manufacturer: ProteorPRINT (5988 Coplay Road, Whitehall, PA, 18067)

Seller: PROTEOR (6 Rue de la Redoute - 21850 Saint-Apollinaire, FRANCE)

General Information:

- Technology: Fused Deposition Modeling (FDM)
- Build Volume: 450x450x1000
- Machine Dimensions: Length 60 in x Depth 34 in x Height 75 in
- Weight: around 750 lbs
- System Movement: TBI enclosed precision ballscrews
- Extruder Type: High-Flow filament system | Typhoon by Dyze Design
- Interchangeable Heater Core: 0.6mm – 2.5mm nozzle
- Head Temperature Range: Up to 450°C
- Plate: Magnetic G10/FR4 and Carbon Fiber
- Bed Temperature Range: Up to 120°C

Printing Specifications (for PP with 2.5 nozzle):

- Filament Diameter: 2.85 mm
- Hotend temperature: 300°C
- Bed temperature: 100°C
- Extrusion width: 4 mm
- Layer height: 1 mm
- Print flow: Up to 200 mm³/s
- Travel speed: N/A (Spiral Vase Mode Print)

Software and Connectivity:

- Supported File Formats: G-code, without size limit
- Interface: 15-inch touchscreen
- Connectivity: USB, Wi-Fi, Ethernet
- Slicer: Simplify3D or Prusa Slicer

Power Requirements:

- Input Voltage: 110V

Additional Features:

- Magnetic door lock
- USA made Servo Motors
- Emergency stop button
- Can fit through standard doorframe
- Filament runout sensor, pauses print when filament is not detected

Warranty:

1 year Hardware Warranty from date of installation

Emergency contact:

Info.pps@proteor.com

Learn More:

Proteorprint.com

