

FUSION3 EDGE 3D PRINTER: PRICE AND SPECIFICATIONS



Tecnologías Y Soluciones Tridimensionales SA de CV
www.tecsol3d.com | informacion@tecsol3d.com
(81) 8332 2125

ORIGIN

Place of Manufacture:

Greensboro, North Carolina, USA

PHYSICAL DIMENSIONS & WEIGHT

Dimensions (DxWxH):

657 x 720 x 640 mm
(25.9 x 28.3 x 25.2 in)

Weight:

38.56 kg (65 lb)

PRINT SIZE & VOLUME

Max Print Size (LxWxH):

368 x 368 x 343 mm

| | |
|-------------------|-------------------------|
| | (14.5 x 14.5 x 13.5 in) |
| Max Build Volume: | 1.64 cubic feet |

| PRINTING | |
|-------------------------|---|
| Print Technology : | Fused Filament Fabrication (FFF) |
| Max Print Speed: | 250 mm/sec |
| Max Travel Speed: | 500 mm/sec |
| Motion System | Fusion3's Patented 'F-Series' motion control system, updated with high-performance linear rails on all axes and 2GT belt CoreXY |
| Extruder / Feeder Type: | Bowden drive / Geared feeder |
| Filament Monitoring: | Yes, detects if a jam or run out, with dynamic timeout adjustment for printing materials that run at slower speeds |

| ENCLOSURE & PRINT SURFACE | |
|--------------------------------------|---|
| Ambient Operating Temperature: | 7 ^o C – 29 ^o C . 45 ^o F to 85 ^o F |
| Enclosure Temperature: | 70 ^o C max |
| Print Surface: | 1/4" Aluminium toolplate with glass and mutizone heater, optional 1/4" magnetic toolplate surface for use with glass and multiple optional print surfaces, including BuildTak, Garolite, Kapton, PEI, and Polypropolyne |
| Maximum Bed Temp: | 140 ^o C |
| Bed Leveling: | Automatic, cable driven probe type with self-calibrating probe offset |

| MATERIALS | |
|------------------|---|
| Diameter: | 1.75 mm |
| Types: | All major printable plastics (See certified materials list) |
| Spool Handling: | Adjustable, Spool Roller |
| Max Spool Size: | Up to 12" diameter, 6" width, Note: customer must ensure that weight, orientation, and motion of spool does not create drag which will impact performance of extruder. |

| PRICE & SHIPPING | |
|-----------------------------|---|
| EDGE 3D Printer: | \$6,999 |
| Shipping (USA & Can): | via LTL Freight |
| International Shipping: | via Air Freight |
| Shipping Cost: | Varies based on location, please contact for quote |

| AVAILABLE OPTIONS | |
|---|-------|
| EDGE Heavy-Duty Rolling Cart: | \$800 |
| ANVIL Print Head: | \$125 |
| Set of ANVIL Replacement Print Tubes (.4MM, .6MM or .8MM) | \$50 |
| Set, 3 Glass Print Beds: | \$50 |
| Replacement Filter Set: | \$49 |
| | \$90 |

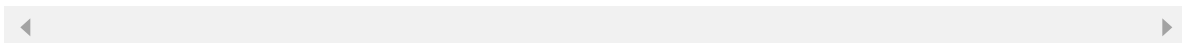
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| EDGE Stack Light (visual status) | |
| Filament Bay Dehumidifier | \$120 |
| Magnetic Print Bed (print with glass and optional magnetic surfaces) | \$300 |
| Reusable Sheet Steel Print Surface (for Magnetic Print Bed) | TBD |
| Various Print Surfaces (requires Reusable Sheet Steel Print Surface) | TBD |
| Binder EDS 115 Lab Oven (for Humidity Free Filament Storage) | \$1620 |
| Additional REACTOR Software License | \$150 |
| 1500VA UPS Basic Backup – Power Conditioning & 7-15 minutes of power | \$449 |
| 1000VA UPS Smart Backup Controller – Power Conditioning, 7-15 minutes of power, control multiple daisy chain batteries | \$699 |
| Daisy Chainable Battery (each) – provides up to 50 minutes run time (requires Smart Backup Controller) | \$699 |

SOFTWARE

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| Processing Software: | Fusion3 REACTOR. 1 License, installable on up to 2 eligible PCs. \$150 each additional seat (\$115 for EDU). |
| Operating Systems: | Windows |

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| File Types: | .STL, .OBJ |
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| PRINT HEADS / PERFORMANCE | .4MM | .6MM | .8MM |
|----------------------------------|--|--|--|
| Print Head: | Fusion3 ANVIL | Fusion3 ANVIL | Fusion3 ANVIL |
| Layer Height (Min – Max): | 20 – 300 microns | 100 – 400 microns | 200 – 500 microns |
| Min Feature Size: | .5 mm ² | .75 mm ² | 1.0 mm ² |
| Feature Tolerance: | 0-6" +/- .005 6"+ +/- .010 | 0-6" +/- .005 6"+ +/- .010 | 0-6" +/- .005 6"+ +/- .010 |
| Print Nozzle (Tube): | .4 mm surgical steel, wear resistant, replaceable tube | .6 mm surgical steel, wear resistant, replaceable tube | .8 mm surgical steel, wear resistant, replaceable tube |
| Maximum Melt Temperature: | 320 ^o C | 320 ^o C | 320 ^o C |
| Maximum Cubic Flow Rate: | 20 mm ³ /sec | 36 mm ³ /sec | 45 mm ³ /sec |



ONBOARD CONTROLLER, STORAGE & NETWORKING

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|-----------------------|---|
| Screen: | 7" full color touchscreen |
| Print Controller: | 32-bit, 120mhz ARM-Based controller |
| Interface Controller: | 64-bit, 1.4GHz ARM-Based controller |
| Storage: | Standard Version: Onboard 32GB flash storage, external USB port Secure Version: Onboard 32GB flash storage, locked external USB port |
| Remote Management: | Intuitive user interface accessed via web browser over local network, giving full access to all functionality, password secured. |
| Network Connections: | Standard Version: 2.4Ghz, 5Ghz WiFi, Bluetooth 4.2, Gigbit Ethernet Secure Version: Gigabit Ethernet Only |

ELECTRICAL & CERTIFICATIONS

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|----------------|--|
| AC Input: | 110V / 230V , 350W avg |
| Peak Power: | 6A / 3A, 600W |
| Certifications | CE & FCC Certified, Power Supply UL Certified. |

WARRANTY & SUPPORT

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|--------------------|--|
| Standard Warranty: | 2 Years, materials & workmanship (including printhead) |
| Technical Support: | FREE for life of 3D printer |