

## C. Technical Specifications

Printer	E2CF	
Build Volume (W×D×H)	Single Extruder Print	Dual Extruder Print
	330×240×240 mm	295×240×240 mm
Machine Size (W×D×H)	607×596×465 mm	
Electrical	Power Supply Input	100-240 V AC, 50/60Hz 230 V @ 2A
	Power Supply Output	24 V DC, 350 W
General	<p>Print Technology FFF</p> <p>Print Head System IDEX Independent Dual Extruders</p> <p>Filament Diameter 1.75 mm</p> <p>XYZ Step Size 0.78125, 0.78125, 0.078125 micron</p> <p>Print Head Travel Speed 30-150 mm/s</p> <p>Build Plate Flexible Steel Plate with BuildTak</p> <p>Max Build Plate Temperature 110 °C</p> <p>Heated Bed Material Silicone</p> <p>Build Plate Leveling Mesh-leveling with Flatness Detection</p> <p>Filament Run-out Sensor Support</p> <p>Supported Materials PA12 CF, PA12 CF Support, OFP Certified Third-Party Filaments</p> <p>Layer Height 0.1 - 0.25mm</p> <p>Nozzle Diameter 0.4 mm (Default), 0.6/ 0.8 mm (Available)</p> <p>Hot End V4P</p> <p>Max Nozzle Temperature 300 °C</p> <p>Connectivity Wi-Fi, LAN, USB port, Live camera</p> <p>Noise Emission (Acoustic) &lt; 50 dB (A) when building</p> <p>Operating Ambient Temperature 15-30 °C, 10-90% RH non-condensing</p> <p>Storage Temperature -25 to 55°C, 10-90% RH non-condensing</p> <p>Filter HEPA filter with activated charcoal</p>	
Software	<p>Slicing Software ideaMaker</p> <p>Supported File Types STL/ OBJ/ 3MF/ OLTP</p> <p>Supported OS Windows/ macOS/ Linux</p> <p>Machine Code Type GCODE</p>	
Printer Controller	<p>User Interface 7-inch Touch Screen</p> <p>Network Wi-Fi, Ethernet</p> <p>Power Loss Recovery Support</p> <p>Screen Resolution 1024×600</p> <p>Motion Controller Atmel ARM Cortex-M4 120MHZ FPU</p> <p>Logic Controller NXP ARM Cortex-A9 Quard 1 GHz</p> <p>Memory 1 GB</p> <p>Onboard Flash 8 GB</p> <p>OS Embedded Linux</p> <p>Ports USB 2.0×2, Ethernet×1</p>	