Unit C51, 2nd Floor, Raj Industrial Premises Co-Op. Soc. Ltd., Military Road, Marol, Andheri (E), Mumbai - 400059
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SHREE RAPID TECHNOLOGIES

Ref: SRT/QTN/R3D/24-25/DK/41:REV01

5th December.2024

To,
Indian Institute of Technology,
School of Artificial Intelligence
Delhi Hauz Khas, New Delhi-110016

Sub : Your requirement for FFF technology based Dual Extruder 3D Printer

With reference to subject matter, we are pleased to attach herewith our revised offer for FFF technology based Professional Dual Extruder 3D Printer model – **E2CF**, for your kind consideration.

About Raise3D

Raise3D has become a global leader in manufacturing precise and reliable 3D printers, with headquarters in the U.S.A., China, and the Netherlands.

Raise3D printers have enjoyed an award-winning legacy, including: "3D Printer of the Year" award from international tech authority Make magazine (along with the annual cover). All3DP, the largest global 3D printing evaluation organization, awarded Raise3D "Best 3D Printer" and "Best Large Format 3D Printer".

In addition to designing and manufacturing 3D printers used by many of the world's biggest companies, Raise3D also develops powerful slicing software (ideaMaker), an enterprise-level cloud-based print management platform (RaiseCloud), and professional consulting services and technologies that result in a one-stop flexible manufacturing solution for our customers.

The **E2CF** is a desktop 3D printer developed by Raise3D for carbon fiber reinforced filaments and other composite materials. Carbon fiber filament has low density, high strength, and it is resistant to corrosion, static electricity and high temperature. It has potential for a wide range of applications within industries that need considerable strength-to-weight ratio in their solutions, such as the aviation industry and the automotive world.

The E2CF is durable, user-friendly and stable while in operation, delivering accurate prints. It is a one-stop desktop-level manufacturing tool suitable for vast range of scenarios.

Variety of features such as,

- Mirror Mode - produce 3D Models and their inverse simultaneously, increasing productivity and reducing print time. Duplication mode – use both extruders in synchronized printing, doubling production capabilities.
- Auto Bed Leveling
- Industry First Video-Assisted Offset Calibration System - Spend less time calibrating and more time printing.
- Safety Features Power Saving Button
- Flexible Build Plate – Easily removes prints from the flexible build plates while minimizing potential print damage to quickly return to printing.
- Variety of Material Compatibility, capability of printing a variety of filaments up to 300 deg.C
- IDEX (Independent Dual Extruders) Dual prints simultaneously.

Applications :

Carbon fiber composite materials have many applications, including functional prototypes, aerospace, automotive, medical, sports equipment, civil engineering, electronics and other fields. It also has a variety of further uses, such as fixtures in a mechanical workshop, prosthetics and customized bicycle frames.

Hope you will find our offer in line with your requirement and look forward to hear from you. In case you need any further clarification/information, please feel free to contact us.

Thanking you,

Yours faithfully,
For **Shree Rapid Technologies**

Nitin Chaudhari
Partner

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QUOTATION

Sr. No	Item Description	Qty	Total amount (in INR)
1.	**Raise3D** make **Professional Dual Extruder, 3D Printer** Model **: E2CF** **Includes:** • 2 Spools Raise 3D filaments PA12 CF+& PA12 CF support • Accessories Box • 1 Year Warranty • Installation & Commissioning	1	**6,48,360.00**
	General Features :		
	Print Technology : FFF **Build Volume** (W × D × H) Single Extruder Print : 330 × 240 x 240 mm Dual Extruder Print : 295 x 240 x 240 mm **Print Head System** : Dual-head with electronic lifting system **Filament Diameter** : 1.75 mm **XYZ Step size** : 0.78125, 0.78125, 0.078125 micron		

	Print Head Travel speed	:	30-150 mm/s		
	Build Plate	:	Flexible Steel Plate with BuildTak		
	Max. Build plate Temperature	:	110 deg.C		
	Heated Bed material	:	Silicone		
	Build Plate Leveling	:	Mesh-leveling with Flatness Detection		
	Filament run-out sensor	:	Available		
	Supported Materials	:	PA12 CF+ & PA12 CF support		
	Layer height	:	0.1 – 0.25 mm		
	Nozzle Dia.	:	0.4 mm (Default), 0.2/0.6/0.8/1.0 mm (available)		
	Hot End	:	V4P		
	Max. nozzle temp	:	300 deg.C		
	Connectivity	:	Wi-Fi, LAN, USB port, Live camera		
	Noise Emission (Acoustic)	:	<50 dB (A) when building		
	Operating Ambient temp.	:	15-30 deg.C, 10-90% RH non-condensing		
	Filter	:	HEPA filter with activated charcoal		
	Software				
	Slicing software	:	ideaMaker		
	Supported File Types	:	STL/OBJ/3MF/OLTP		
	Supported OS	:	Windows/macOS/Linux		
	Machine Code Type	:	GCODE		

	Printer Controller **User Interface** **Network** **Power loss recovery** **Screen resolution** **Motion controller** **Logic controller** **Memory** **Onboard flash** **Operating system** **Ports**	 : : : : : : : : : :	 7-inch Touch Screen Wi-Fi, Ethernet Available 1024 x 600 Atmel ARM Cortex-M4 120 MHz FPU NXP ARM Cortex-A9 Quad 1 GHz 1 GB 16 GB Embedded Linux USB 2.0 x 2, Ethernet x 1		
	BASIC PACKAGE PRICE FOR E2CF, DUAL EXTRUDER 3D PRINTER (Ex Mumbai)				**6,48,360.00**
	SPECIAL DISCOUNTED PACKAGE PRICE FOR E2CF, DUAL EXTRUDER 3D PRINTER VALID UPTO 31, DECEMBER 2024 (Ex Mumbai)				**4,22,200.00**
	ADD : GST @ 18%				**75,996.00**
	TOTAL PACKAGE PRICE FOR E2CF, DUAL EXTRUDER 3D PRINTER VALID UPTO 31, DECEMBER 2024 (Ex Mumbai)				**4,98,196.00**

Terms and conditions as enclosed.

For **Shree Rapid Technologies**

Nitin Chaudhari
Partner

Terms & Conditions

Prices
Prices quoted on Ex-Mumbai basis.
Local transportation & Insurance extra as applicable.

Delivery
Depending on the stock availability (5-7 working days if stock is available and 4–6 weeks if stock is unavailable) after receipt of written order and receipt of 100% advance payment.

Payment
100% advance payment along with the Purchase order, against submission of Proforma Invoice.

Payment to be made thru NEFT/RTGS to 'M/s. Shree Rapid Technologies" as per Bank Account details mentioned below :

Beneficiary Name : Shree Rapid Technologies
Bank Name : Saraswat Co.Op.Bank Ltd.
Branch : Ghatkopar (West), Mumbai
A/c.No. : 017500100005464
IFSC No.: SRCB0000017

Validity
Validity of the offer is up to 60 days from the date of this offer and thereafter subject to confirmation from us.

Order to be placed in the name of :
Shree Rapid Technologies
Unit C51, 2nd Floor, Raj Industrial Premises,
Military Road, Marol, Andheri – East,
Mumbai – 400 059

Installation & Commissioning:
The warranty for the machine is valid only if the machine is installed and commissioned under the supervision of our factory-trained engineers. The machine must be installed within 4 months from the dispatch to avoid deterioration in storage. The site must be kept ready accordingly. Packing cases must be stored properly protected against direct sunlight for long periods, rain, floodwater, etc., and not unpacked before arrival of our authorized Service Engineer.

Warranty/Guarantee:
The machine is warranted against defects in materials and workmanship for a period of 15 months from the date of shipment or 12 months from the date of commissioning, whichever is earlier. We will, at our option, repair or replace free FOB cost, any items which prove to be defective during the warranty period provided these are returned to us freight paid and provided the preventive maintenance procedures in their respective manuals have been followed.

Also, warranty is only valid if the system is always serviced by authorized Service Engineers from Shree Rapid Technologies.

For **Shree Rapid Technologies,**

Nitin Chaudhari
Partner