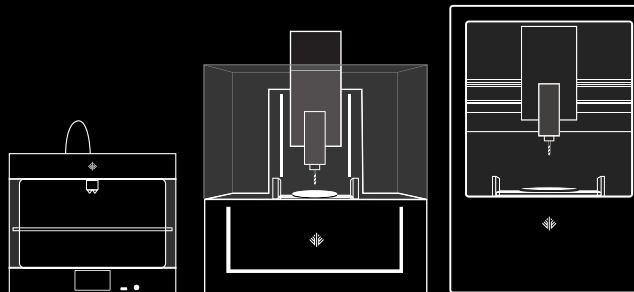


Ethereal Machines breathes by the mission of churning out entrepreneurs in the engineering world. Our machines are built to invigorate, nurture and embolden an engineer while unbridling the designer's freedom to create. Ethereal Machines brings about a conjunction between additive and subtractive manufacturing techniques.

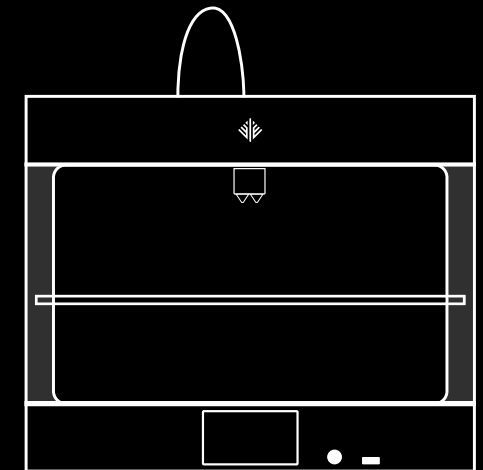
Our mission is to solve problems related to manufacturing faced by industries, engineers and makers and to aid the growth of small-scale and mid-scale entrepreneurs by equipping them with affordable machines.

Ethereal Machines specializes in manufacturing machines associated with additive and subtractive manufacturing. Ethereal Machines is based out of India and is an ISO 9001: 2015 certified company.

Ethereal Machines is also recognized as a startup under the 'Startup India' and 'Make in India' scheme by the Government of India.



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## The Ethereal Ray

A Smart Dual Extruder 3D Printer For Your Daily 3D  
Printing Needs

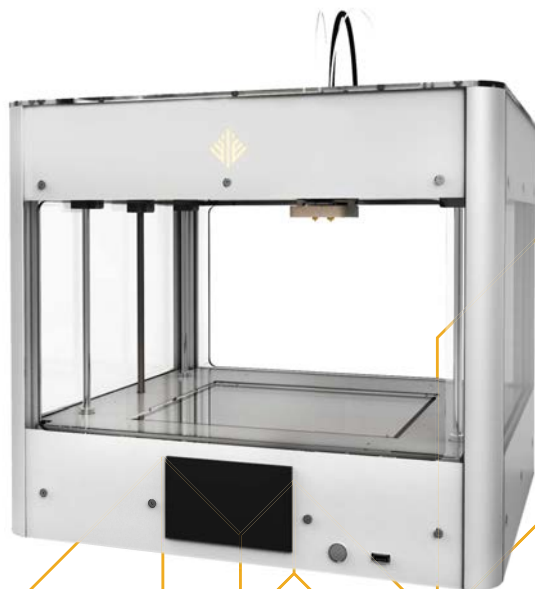
# ETHEREAL Ray

The Ray is a smart device built to unbridle the designer and engineer in you. Equipped with two nozzles, the Ray helps you achieve prints with dissolvable support materials and dual colours.

Print seamlessly via Wi-Fi. Slice on the cloud. Monitor through your phone. Save prints on the cloud.

User experience takes top priority at Ethereal Machines. The Ray has a 5.5" capacitive touchscreen and LEDs that signal various stages of a print to enhance user experience.

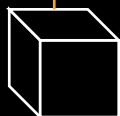
The Ethereal Ray is poised to provide a makeover to your desktop and is your tool to take your ideas from design to prototype stage.



## Features

### DUAL EXTRUDER

Dual extruder gives you the freedom to combine water soluble support materials and engineering plastics to create complex geometries or print in two different colours



### AMPLE PRINT VOLUME

The Ray offers a print volume of 250 x 200 x 200 mm, which can accommodate your everyday printing needs

### ORIGINAL E3D HOT END AND EXTRUDER

Original E3D Chimera hotends and E3D Titan extruders ensure superior quality prints

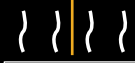


### INTERACTIVE UI AND FULL COLOUR TOUCH SCREEN PANEL

A 5.5" capacitive touch screen and an intuitive onboard software makes operating the Ray an easy job

### OPTIMIZED COOLING SYSTEM

An advanced cooling system with a powerful radial fan and specially designed air duct ensures better cooling, high quality bridging and better surface finishes



### HEATED BED

With a heated bed that reaches up to 110°C, build plate adhesion is no more a worry. The heated bed also lets you print with various engineering plastics

### SOFTWARE: DESKTOP, WEB AND MOBILE

With the choice of a desktop application, web based application and a mobile application, your 3D printing workflow becomes seamless and faster



### WIRELESS PRINTING, MONITORING AND CLOUD SLICING

You can wirelessly slice, print and monitor your prints through our web based application or the mobile application



### MULTIPLE MATERIAL SUPPORT

Flexibility to use numerous 3D printing materials including water soluble PVA and engineering plastics like ABS, Nylon, etc



### LED STATUS INDICATORS



LED indicators let you know about the progress of your prints

## Tech Specs

Print Volume	250 X 200 X 200 MM
Printer Dimensions	480 X 435 X 425 MM
Weight	20 KGS
Accuracy	X-AXIS, Y-AXIS : 12.5 microns Z-AXIS: 2 microns
Nozzle Size	0.2, 0.4, 0.8, 1.0 MM
Print Speed	UPTO 100 mm/s
Travel Speed	Upto 150 mm/s
Hot End Temperature	Upto 285°C
Nozzle Heat Up Time	< 2 MINS
Bed Temperature	Upto 110 °C
Filament Diameter	1.75 mm
Connectivity	WiFi, LAN, USB
Supported File Formats	.stl, .obj, .3mf, .amf, .gcode, .9
Input Power	110-240 V, 4A