

The Ethereal Halo has been designed to bring about a metamorphosis to the world of manufacturing and kick off the concept of hybrid manufacturing. Ethereal Halo is the world's first consumer oriented 5-axis 3D printer and 5-axis CNC Machine.

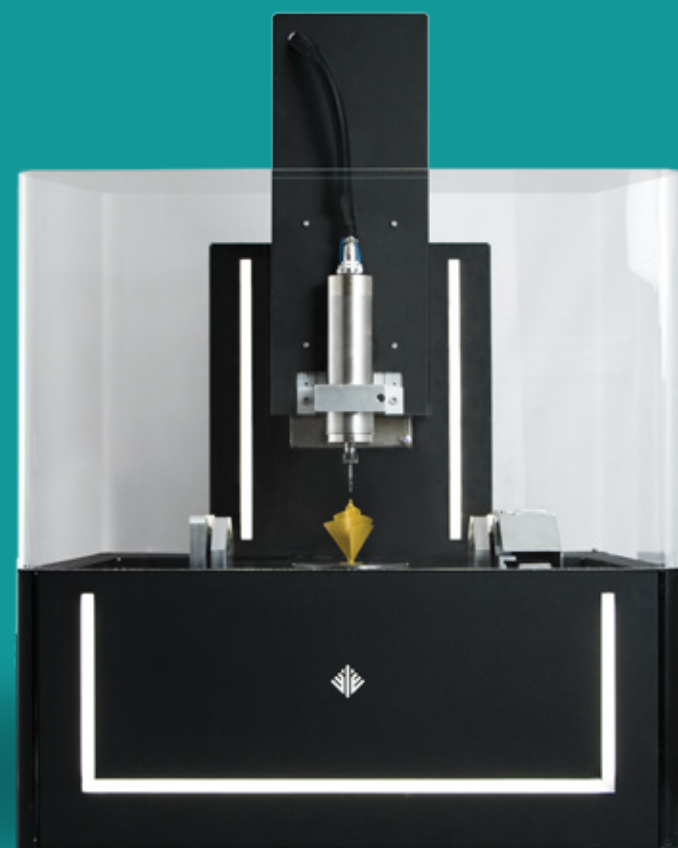
Ethereal Halo is a machine that introduces Hybrid Manufacturing to the world and combines both the technologies of subtractive manufacturing and additive manufacturing into one bundle. A single machine is capable of both the processes of SM and AM to high degrees of accuracy.

The Halo can equip an entire spectrum ranging from the hobbyist to an industry with quick prototyping and manufacturing abilities. A 5-axis 3D printer and a 5-axis CNC Machine bundled up into one single affordable machine heralds the future.

3D

CNC

Ethereal HALO



FEATURES

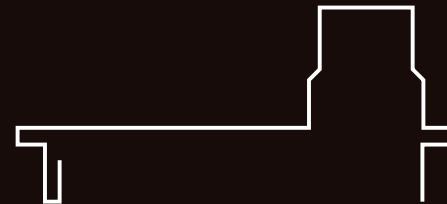
- ADDITIVE+SUBTRACTIVE MANUFACTURING

Freedom to switch between the two processes at any point



- DESKTOP SIZE

Designed and engineered to occupy minimal floor space



- 5-AXIS SIMULTANEOUS KINEMATICS

5 axis simultaneous movement to help reduce machining time



- ADVANCED NOZZLE DESIGN

Ensures zero clogging and smooth filament deposition



- HIGH ACCURACY DRIVE MECHANISM

Achieved through utilization of highly accurately calibrated ball screws and linear guide rails



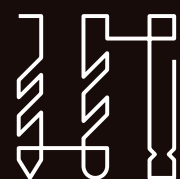
- DEDICATED PC-BASED CONTROLLER

Real time monitoring and control of the machining / printing job in progress



- MULTIPLE TOOL SUPPORT

Permits employment of various tools to machine a spectrum of materials



- MULTIPLE MATERIAL SUPPORT

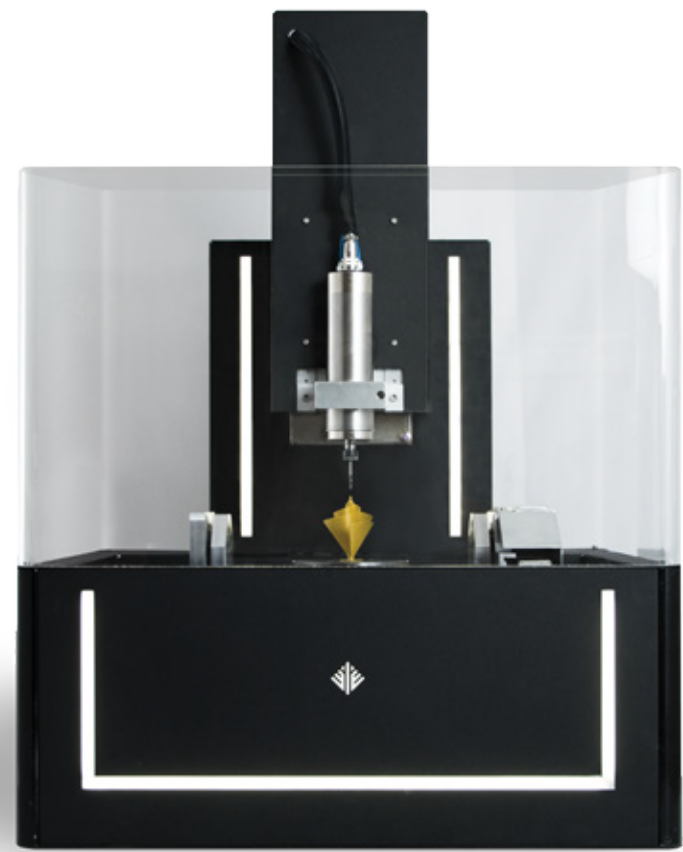
Flexibility to use numerous materials to machine or 3D print



The world's first desktop 5-axis 3D printer and CNC

TECH SPECS

Work Area	3-axis : 200 x 200 x 200 mm 5-axis: 150 dia x 150 mm
Footprint	1010 x 1010 x 1290 mm
Load Bearing Capacity	10 kgs
Subtractive Manufacturing Materials	Choice of a plethora of materials - wood, wax, foam, nylon, plastics
Dedicated Pc-based Controller	Real time monitoring and control of the machining in progress
Additive Manufacturing Materials	Supports most 3D printing filaments - ABS, PLA, PC, NYLON, PET-G
Extrusion Mechanism	Geared Direct Drive Extruder
Spindle	800W, DC motor, ER-11 tool holder
Filament Diameter	1.75mm
Extruder Temperature	Upto 280° Celsius
Working Speed	2000mm/min
Power Supply	2.5 kW



ETHEREAL

www.etherealmachines.com

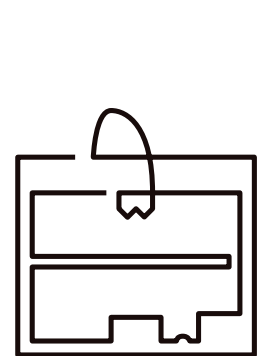
Ethereal Machines breathes by the mission of churning out entrepreneurs in the engineering world. Our machines are built to invigorate, nurture and embolden an engineer while unbridling the designer's freedom to create. Ethereal Machines brings about a conjunction between additive and subtractive manufacturing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

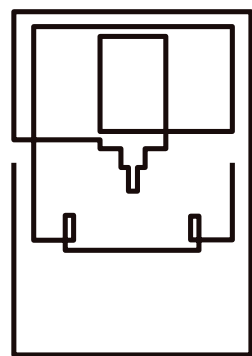
Ethereal Machines specializes in manufacturing machines associated with additive and subtractive manufacturing. Ethereal Machines is based out of India and is an ISO 9001:2015 certified company.

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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RAY



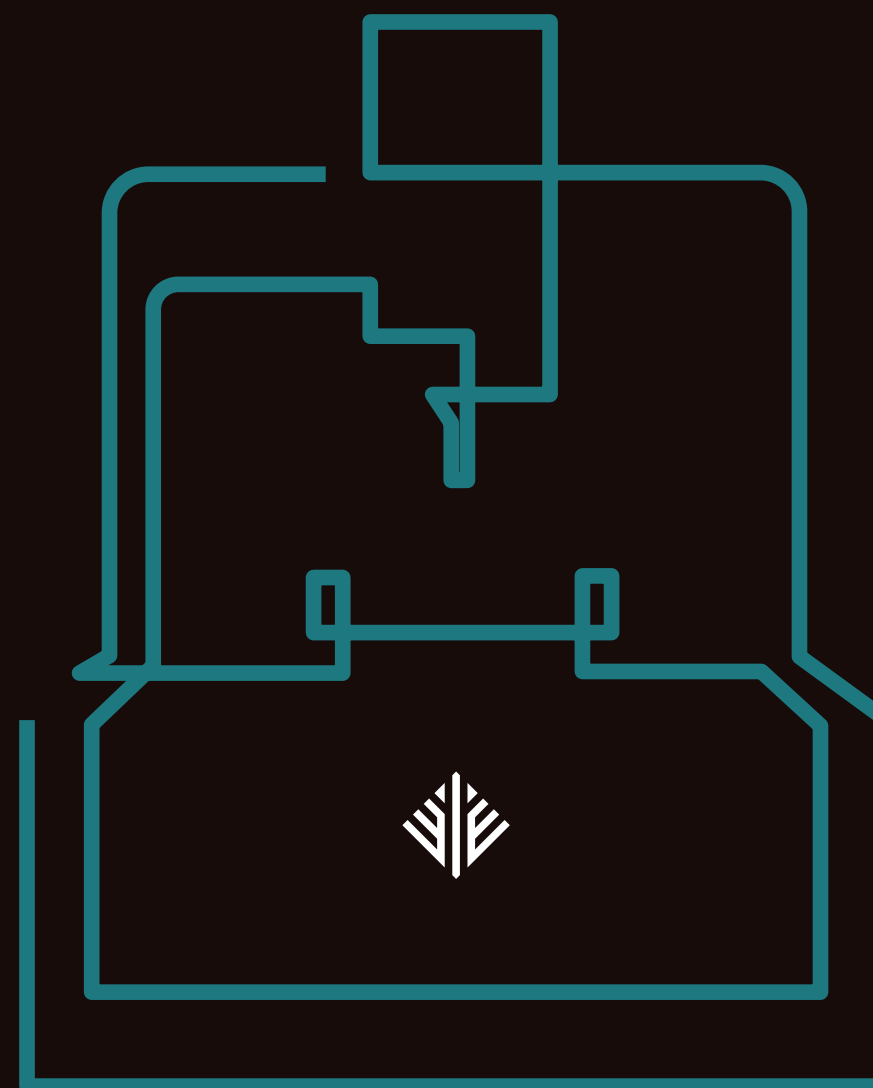
PENTAGRAM



Ethereal HALO



The world's first desktop 5-axis
3D printer and CNC Machine



Ethereal HALO

Outside