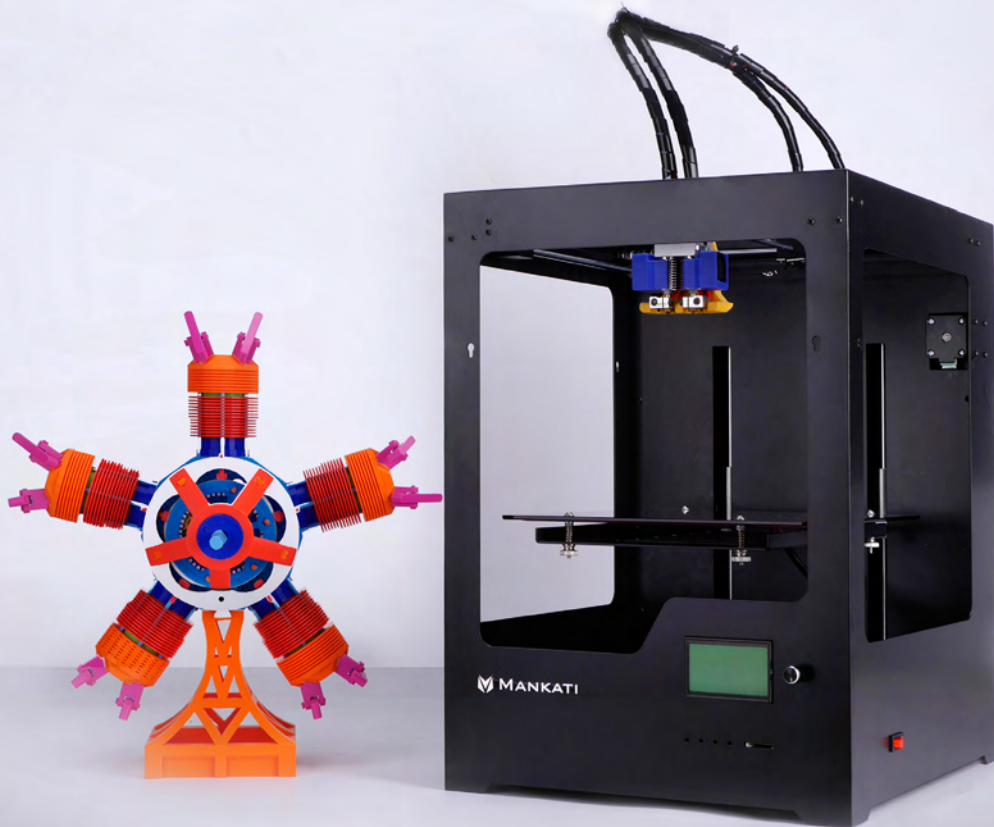


# A thrilling reform to the next level

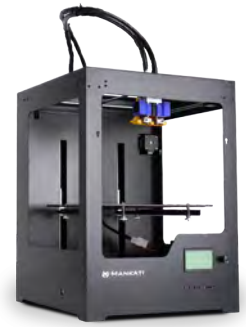
## Mankati Fullscale XT Plus



 MANKATI

# Mankati

## Fullscale XT Plus

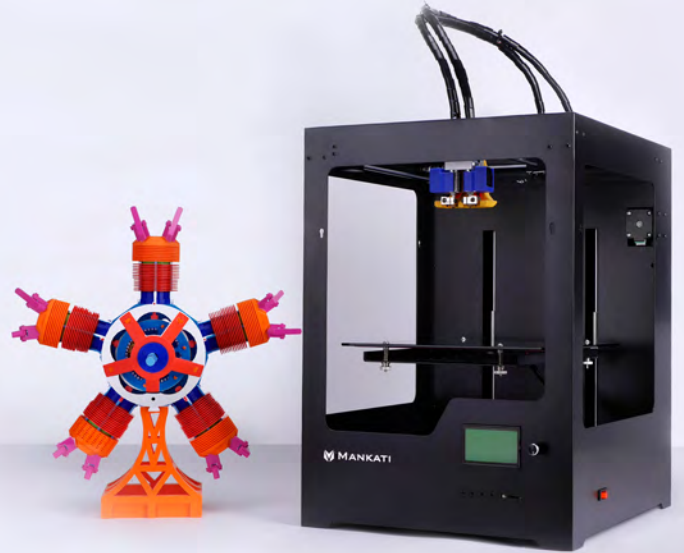


Model	Fullscale XT Plus
Forming Tech.	Fused Deposition Modeling (FDM)
Extruder	High Temperature All Metal Extruder * 2
Build Size	260*260*300 mm / 10.2*10.2*11.8 inch
Specification	
Precision	X,Y axis 0.01 mm, Z axis 0.015 mm
Layer Resolution	0.02~0.4 mm
Nozzle Diameter	0.4 mm
Max. Travel Speed	250 mm/s
Max. Print Speed	180 mm/s
Max. Extruder Temperature	300 °C / 572 °F
Max. Hot Bed Temperature	110 °C / 230 °F
Max. Extrude Speed	100 mm/s
Filament	
Filament Type	ABS, PLA, PVA, PS
Filament Diameter	3 mm
Filament Temperature	150~300 °C / 302~572 °F
Filament Colors	Multicolor
Hardware	
Controller	Arduino ATmega2560 R3Micro Controller
Mother Board	Mankati Stable Main Board V1.0
Stepper Motor	X, Y axis 42*48, 1.3 A; Z axis 42*63, 1.5 A
Geared Motor	E42*42, Ratio 1:10
Power Input	110~220 V, 1.5 A
Power Output	24 V, 10.5 A
Software	
Operating System	Windows XP/Vista/7/8, Mac OS, Unbutu
File Format	STL, OBJ, GCode
Printing Software and Slicer	MankatiUM V6.2
Software Language	English, Deutsch, French, Dutch, Spanish, Polish
Machinery	
Dimensions	390*430*530 mm
Gross Weight	46 kg

\* Specifications subject to change without notice.  
 \* Data speed can vary as much as 5% depending on the speed of the computer.

# Fullscale XT Plus

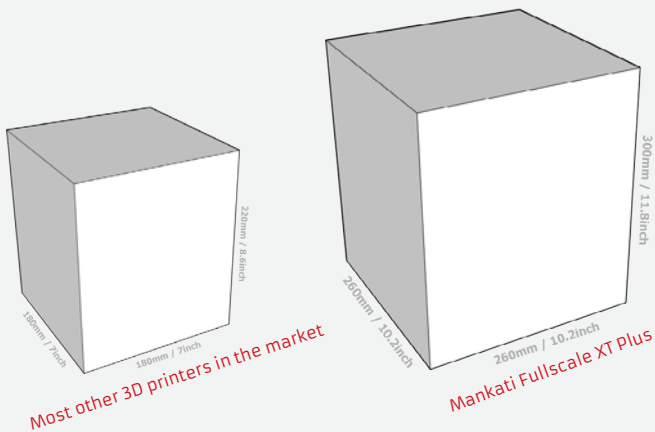
An amazing tool for designers, makers and engineers. With high resolution and user friendly functions, it is the right choice for you.



## Print Bigger Now

260\*260\*300 mm / 10.2\*10.2\*11.8 inch

Print volume of Fullscale XT Plus is much bigger than most other 3D printers in the market. Bigger volume for bigger ideas!

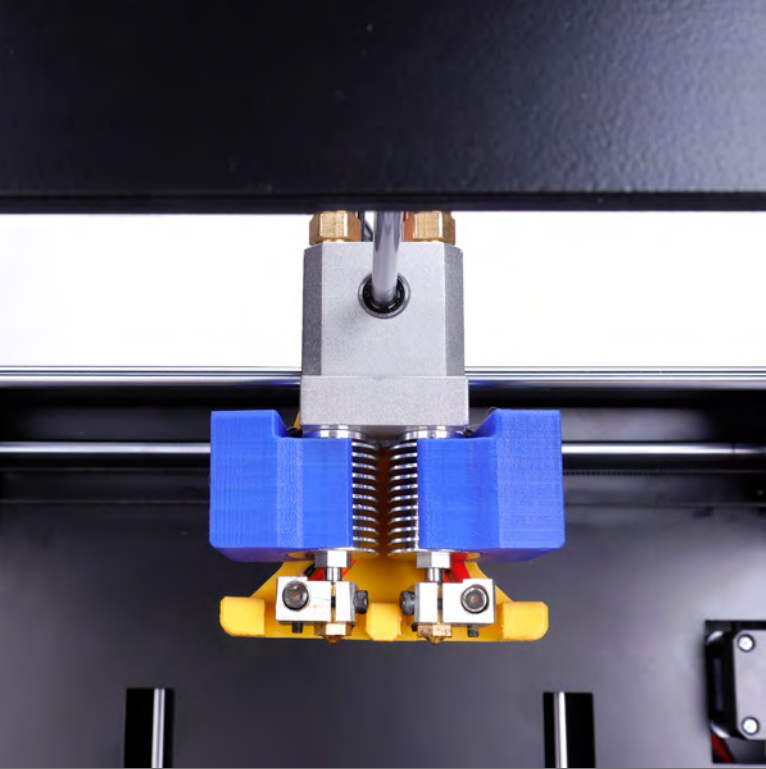


## Print with More Possibilities

Nozzle Temperature up to 300 °C / 572 °F

High temperature nozzle means more filament choices, more applications for 3D printing, and more fun!





# HTP Dual Metal Extruders

High Temperature up to 300 °C / 572 °F

Dual Extruders

Easy Maintenance

High Resolution Performance

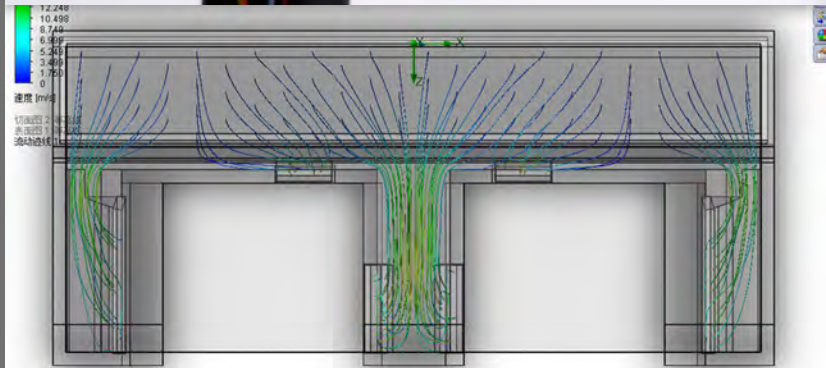
## Efficient Cooling System

A Cooling Fan for Each Extruder

A Turbo Fan for Printing Area

High Efficient Fan Drift

Perfect Cooling Performance



## Stable & High

## Resolution Performance

Optimized Structure

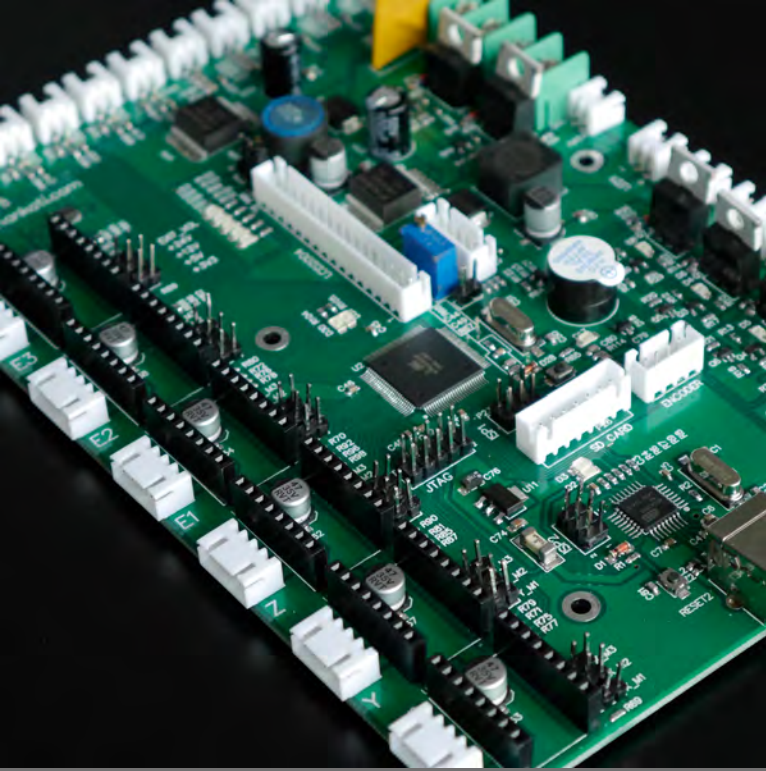
Smooth Hot End

High Performance Nozzle

Accurate Temperature Control

Easy to be Disassembled and Installed



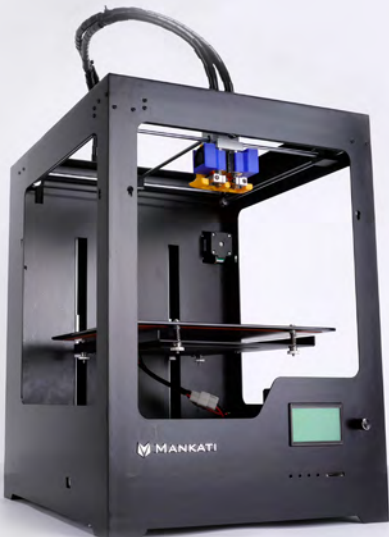
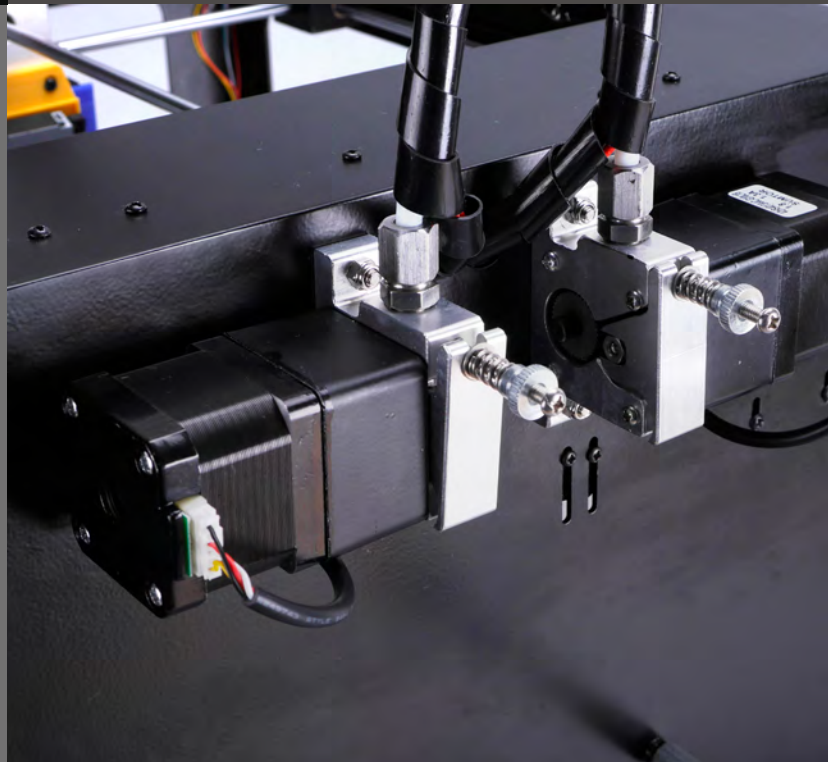


## Stable Main Board

Over 20 Optimizations  
Stable Performance

## Accurate Feeder

All Metal Gear Motors  
Stable Filament Fixture



## High Performance Build Plate

Temperature up to 110 °C / 230 °F  
Short Heating Time  
Accurate Temperature Control

# Printing Performance

## Bird Feeder



**Smooth Surface**  
Smooth and stable filament  
extrude performance.

### Details Show Everything

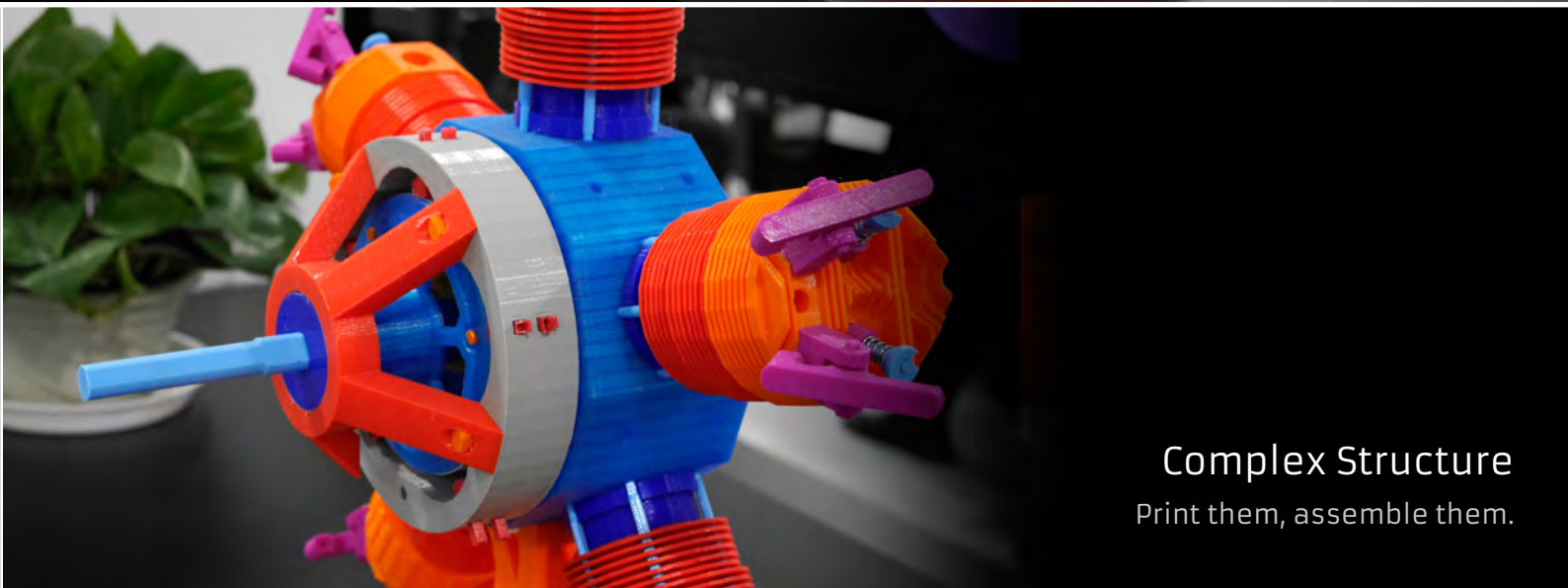
A zoom-in view of the surface.





# Printing Performance

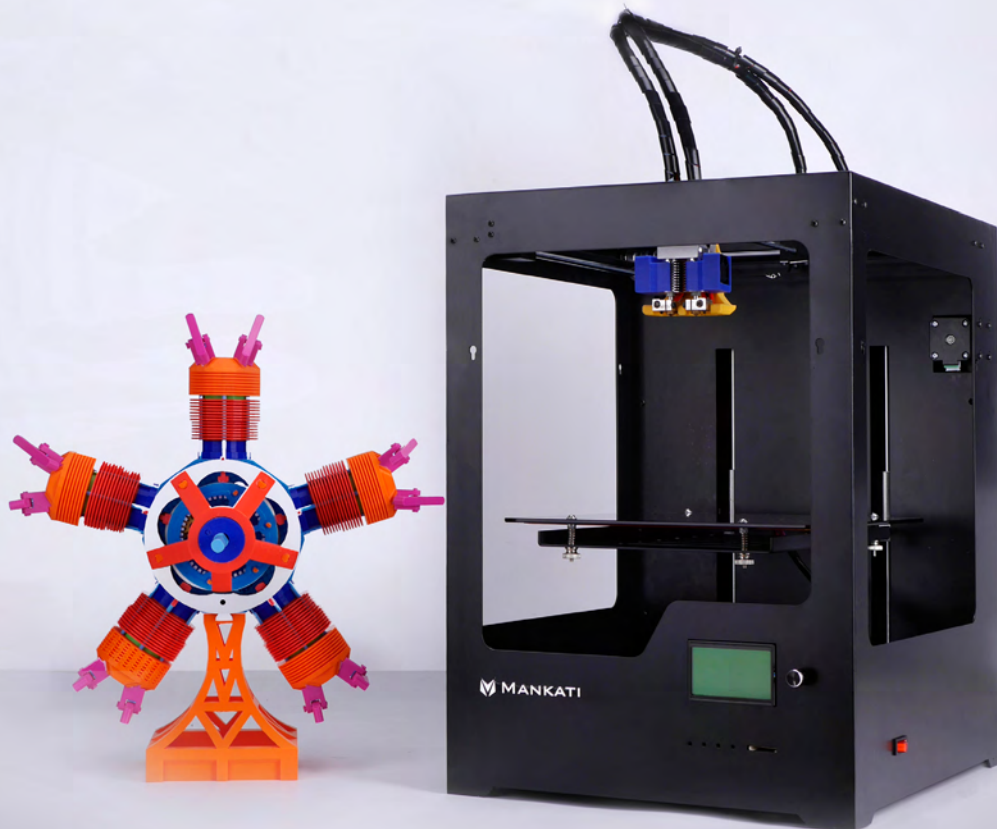
## Radial Engine



Complex Structure  
Print them, assemble them.



Easy to Assemble



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Tel: +8621 6761 8178