

MEKUVA  
**AKAR 200**



**Dual Extrusion Excellence,  
Applauded for Cost-Efficiency and  
Premium Qualities**

**mekuva**  
TECHNOLOGIES

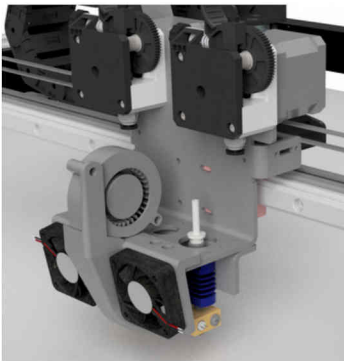
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🌐 [mekuva.com](http://mekuva.com)

# KEY FEATURES

Single Print-265x200x300mm/ Dual Print-250x200x300 mm  
(XYZ) Large Build Volume  
Industrial 3D Printer  
User Friendly User Interface  
Touch Screen for Standalone printing  
SD Card & WiFi connectivity  
Filament Supply Sensing  
Power Outage Recovery  
High-Resolution prints with Heated bed  
Multiple Printable materials

## Dual Extrusion System

Print soluble support materials



## 24Volts DC Heater



## Power Loss Print Resuming feature



## Range of filaments

PLA / TPU / ABS / HIPS / PETG / ASA  
/ PP/ PVA / Glass Fiber Infused /  
Carbon Fiber Infused / Metal Fill /  
Wood Fill



## Filament Run-out Sensor

When the filament over the printer will give an alarm and pauses the and the printer.

Worry-free printing experience



## Unibody Metal Design

Crafted with Precision: Our Unibody Metal Design offers a seamless, sturdy, durable frame. Experience sophistication and strength in one singular form.



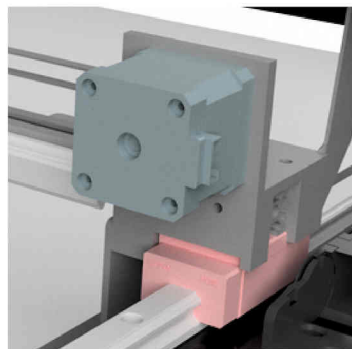
## Modified MK8 Hot-end

We've reengineered the standard MK8 hot-end's heat break and thermistor assembly for superior reliability, eliminating nozzle clogs from heat creep. Enjoy continuous, 15-day fail-free prints with this popular, easy-to-find replacement part hot-end.



## CNC Machined Parts

XY motion system rests on CNC milled blocks which perfectly maintains the XY perpendicularity. This is very important to achieve to repeatable dimensional accuracy of the printed parts.



## TECHNICAL SPECIFICATIONS

<b>Build Volume (WxDxH)</b>	<b>Single Nozzle Print / Dual Nozzle Print 265x200x300mm / 250x200x300mm</b>
<b>Machine Size (WxDxH)</b>	<b>480x420x550 mm</b>
<b>Print Technology</b>	<b>FDM/FFF</b>
<b>No. of Extruders</b>	<b>Single / Dual</b>
<b>Printing Speed</b>	<b>30-100 mm/s (30-80mm/sec recommended)</b>
<b>Build Plate Type</b>	<b>Aluminum Plate on top Toughened Glass with PEI Sheet applied (Optional)</b>
<b>Max Build Plate Temp.</b>	<b>110°C</b>
<b>Heating Bed Element</b>	<b>24V DC Heater</b>
<b>Filament Compatibility</b>	<b>PLA / ABS / HIPS / PC / TPU / TPE / NYLON / PETG / ASA / PP / PVA / Glass Fiber Infused / Carbon Fiber Infused / Metal Fill / Wood Fill</b>
<b>Max Nozzle Temp.</b>	<b>265°C</b>
<b>Max Power Usage</b>	<b>360 W</b>
<b>Supported File Format</b>	<b>STL,OBJ,AMF</b>
<b>Supported Software</b>	<b>Simplify3D, Cura, Slic3r, PrusaSlicer</b>
<b>Product Weight</b>	<b>45 Kg</b>
<b>Compatible Nozzle Sizes</b>	<b>0.25, 0.4, 0.5, 0.6, 0.8, 1.0 mm Diameter</b>
<b>Complementary Accessories</b>	<b>Scaper, Side cutter, Nose plier, Nozzle changing wrench, Glue stick, Extra heater and thermistor, Hotend setup, Pendrive, Sprit level, Allen key set, Extra nozzles, 1 Kg PLA material, and extra screws.</b>

## Industrial 3D Printers For High-Tech Manufacturing



## Enabling You to Prototype Faster and Better

At Mekuva Technologies Pvt. Ltd., we are experts in prototyping, specializing in the production of professional 3D printers and offering a range of services including 3D printing, industrial design, and various traditional manufacturing services. Our portfolio boasts collaborations with entrepreneurs, startups, and industry leaders. We firmly believe that commitment holds paramount value in business. Regardless of your company's size, expect unmatched and consistent high-level customer support from us.

The company ensures consistent quality in every product by conducting thorough inspections for mechanical integrity and wiring at each stage of production. Each machine undergoes checks for free axis motion and perpendicularity, in addition to wiring inspections. Every 3D printer is electrically insulated to prevent loose connections, and we use the recommended gauge electrical wires and mechanical components for the assembly of each machine.

## Other Services We Offer

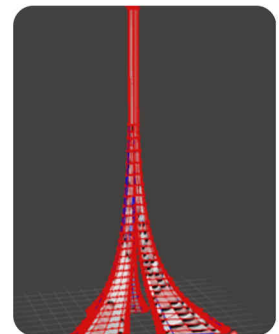
### 3D Printing Services



### 3D Scanning



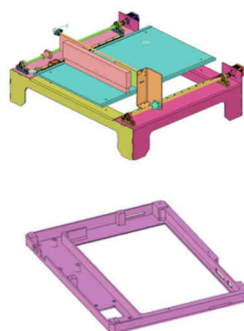
### Part Design Optimization



### Vacuum Casting



### CAD Designing



### Traditional Production



## Client Installations



### About Mekuva Technologies Pvt Ltd

Mekuva Technologies Private Limited is a manufacturer of Industrial-grade 3D printers, Dedicated to providing users with powerful 3D printers and high-performance materials.

### Contact

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