MEKUVA

AKAR 200 PRO

High Temp Industrial Grade 3D Printer, Fully Enclosed & Budget-Friendly

mekuva
TECHNOLOGIES

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🌐 mekuva.com

KEY FEATURES

Single Nozzle Print-200x200x300mm(XYZ)

Large Build Volume

Industrial 3D Printer

User Friendly User Interface

Touch Screen for Standalone printing

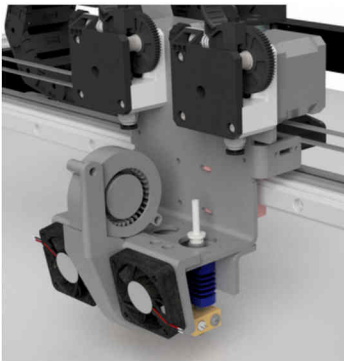SD Card & WiFi connectivity

Filament Supply Sensing

Power Outage Recovery

High-Resolution prints with Heated bed

Multiple Printable materials

Direct Drive Extrusion

Print soluble support materials

Range of filaments

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

Power Loss Print Resuming feature

Power failure when printing

Resume printing when power on

AC Silicone Heater

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.
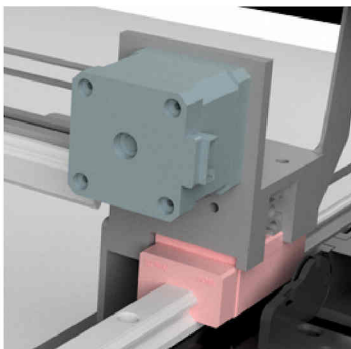

Custom All Metal Hotend

We've reengineered the standard 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.
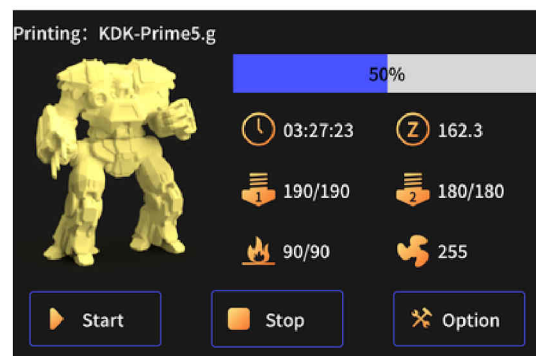

CNC Machined Parts

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.

3.5" Full Colour Touch UI

Experience unmatched control with our 3.5 inch Touchscreen. Designed for 3D printing precision, it offers intuitive navigation and simple controls, ensuring optimal performance and streamlined operations.

Printing: KDK-Prime5.g
50%
03:27:23   Z 162.3
1 190/190   2 180/180
90/90   255
Start   Stop   Option

TECHNICAL SPECIFICATIONS

Build Volume (WxDxH)	Single Nozzle Print 200x200x300mm
Machine Size (WxDxH)	480x420x590 mm
Print Technology	FDM/FFF
No. of Extruders	Single / Dual
Printing Speed	30-150 mm/s
Build Plate Type	Aluminum Plate on top Toughened Glass with PEI Sheet applied (Optional)
Max Build Plate Temp.	150°C
Heating Bed Element	Silicon Heater
Filament Compatibility	LA / ABS / HIPS / PC / TPU / TPE / NYLON / PETG / ASA / PP / PVA / Glass Fiber Infused / Carbon Fiber Infused / Metal Fill / Wood Fill /PC
Max Nozzle Temp.	300 °C
Max Power Usage	1000 W
Supported File Format	STL,OBJ,AMF
Supported Software	Mekuva Slicer, Simplify3D, Cura, Slic3r, PrusaSlicer
Product Weight	35 Kg
Compatible Nozzle Sizes	0.25, 0.4, 0.5, 0.6, 0.8, 1.0 mm Diameter
Complementary Accessories	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.

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.
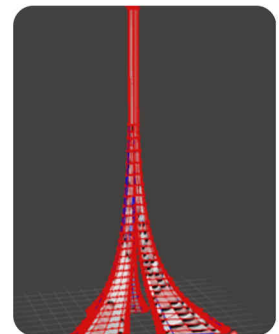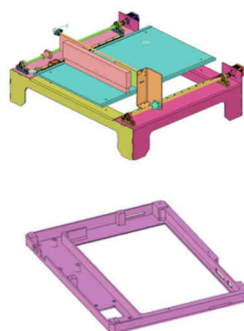
Other Services We Offer

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.

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