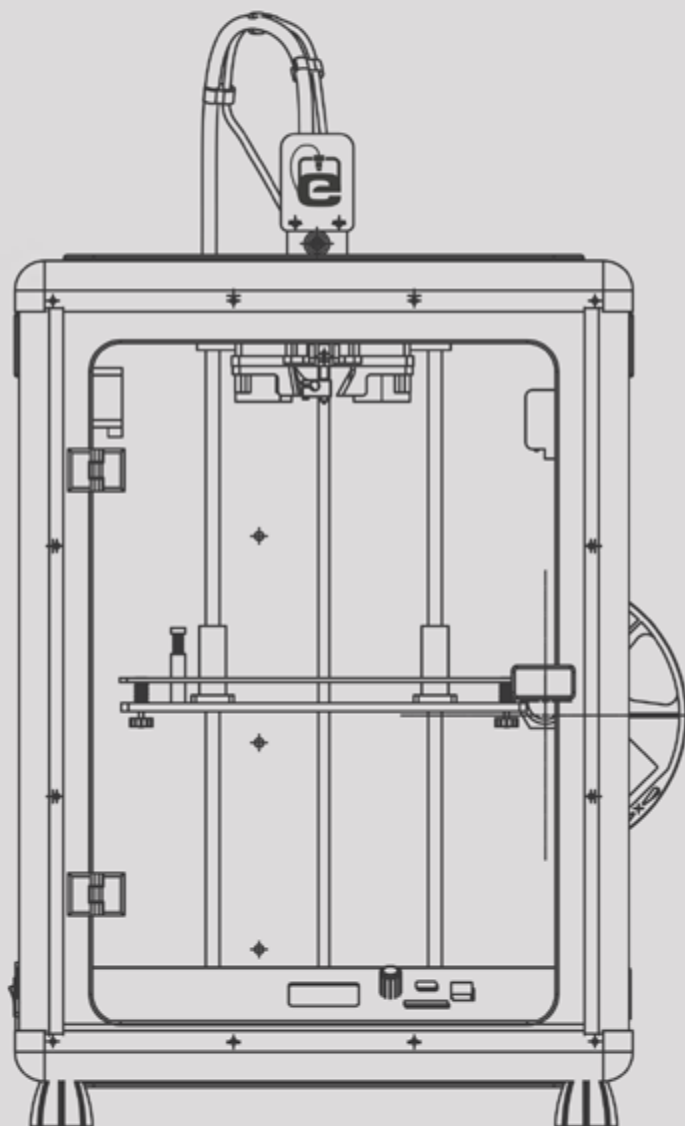


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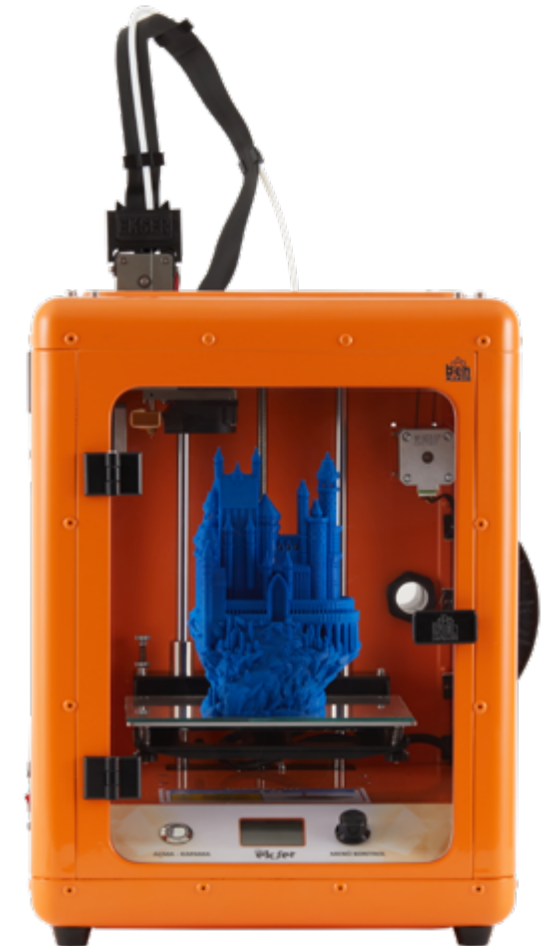
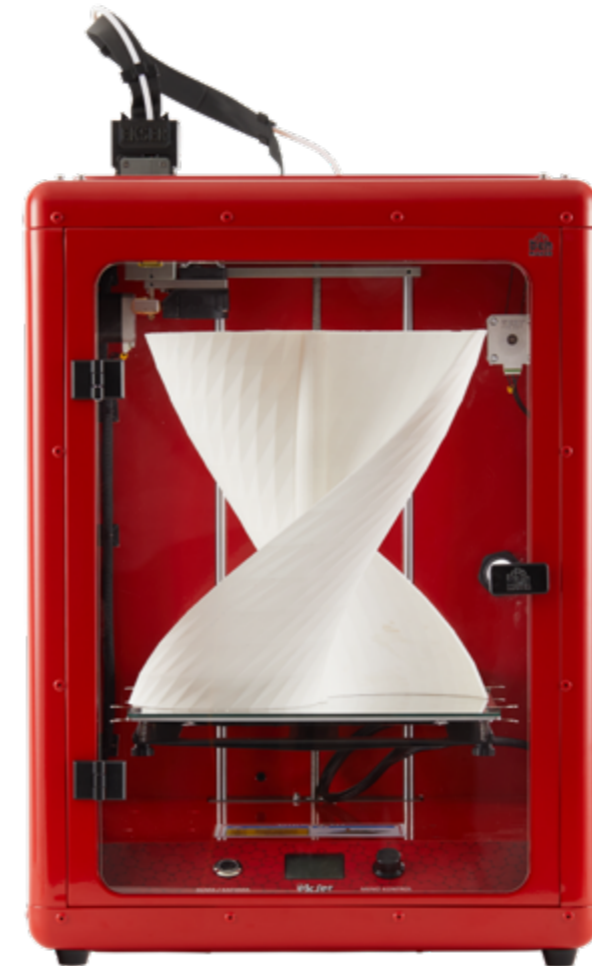







WHO ARE WE?

BenMaker has been carrying out its production activities in Bursa since 2016. BenMaker aims to improve the hand skills of individuals and to accelerate their professional competence in a practical way with the educational tools and equipment produced 100% domestically. BenMaker; brings traditional and modern production method techniques together to users with three different product groups: WOODER, EKSER 3D and FAGNER. BenMaker contributes to the raising of generations that produce in more than 300 institutions and organizations in the country and abroad.

ROBUST
rəʊˈbʌst
strong and unlikely
to break or fail



TECHNICAL SPECIFICATIONS

	 Ekser 3D EDU	 Ekser 3D PLUS	 Ekser 3D PRO
PRINTING VOLUME	170x170x200 mm	270x270x350 mm	300x300x350 mm
DIMENSIONS	350x350x450 mm	450x450x600 mm	450x450x600 mm
WEIGHT	12,16 kg	17,40 kg	17,40 kg
PRINTING TECHNOLOGY	FFF (Filament Fused Fabrication)		
KINEMATICS	Crossed Spindle GT2 Belt Driven		
IDLE RUNNING SPEED	100 mm/s		
LAYER THICKNESS	0.05 mm - 0.30 mm		
NUMBER OF EXTRUDER	1		
NOZZLE DIAMETER	0,4		
FILAMENT DIAMETER	1,75 mm		
X-Y AXIS DRIVE SYSTEM	Minimal Backlash GT2 Strap		
Z AXIS DRIVE SYSTEM	Trapezoidal Ball Screw		
PRINTING PLATE	Heated Aluminum Plate / Glass		
CONNECTION TYPE	USB / SD Card		
MAXIMUM POWER	220 V - 400 W		
SOFTWARE	CURA, Repetier, and Supports Open Source Firmware		
FILE FORMAT	GCODE		
RECOMMENDED CONSUMABLE MATERIAL	PLA (Recommended), ABS, FLEX		
OTHER	LCD Control Panel		4.3 inch LCD Touch Screen Panel



3D PRINTERS



CONSUMABLES MATERIALS



eksler
3D FILAMENTS

	PLA		ABS
FILAMENT DIAMETER:	1,75 mm	FILAMENT DIAMETER:	1,75 mm
WEIGHT:	1000 g	WEIGHT:	1000 g
PRINTING TEMPERATURE:	190 - 215 °C	PRINTING TEMPERATURE:	220 - 260 °C
PLATE TEMPERATURE:	60 - 75 °C	PLATE TEMPERATURE:	90 - 110 °C

Homogeneous Colour Distribution

Colors are applied to the filaments with an accuracy of %0.01 with gravimetric dosing units.

Smooth Winding

As a result of the software and mechanical R&D studies, the filaments were wound on the reels in a certain way. It is aimed to prevent filanet snagging that may occur during printing.

Excellent Print Quality

By examining the melt flow behavior of polymers, the most suitable flow properties were determined in FDM - FFF type printers. In this way, it is ensured that the layers form integrity with each other.

Dimensional Stability

Diameter thickness of the filaments is controlled instantaneously with a two-axis laser measuring device and continuous production is ensured with 0.05 mm precision.

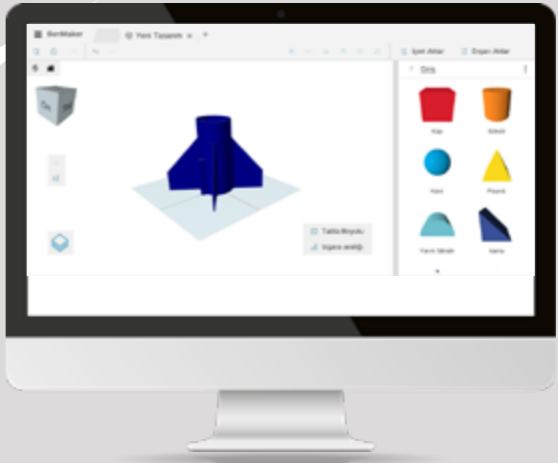
Perfect Ovality

Thanks to the extruder head type developed as a result of R&D studies, the filament quality is ensured to be flawless.

PRODUCE THE DESIGNS OF THE FUTURE WITH EKSER!

EKSER 3D family, which stands out with its ROBUST cabin, has a durable electrostatic powder coated steel body. EKSER 3D printers with USB and SD Card connection feature can produce products with automatic filament change and surface quality between 50 – 300 microns. EKSER 3D models, which have the ability to continue from where they left off after possible power cuts, also have a safe operation for the use of early age children with their closed cabinets.

store.benmaker.com



Have you met
BenMaker's new design
program?



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EKSER 3D is a one of **BENMAKER** brand.