



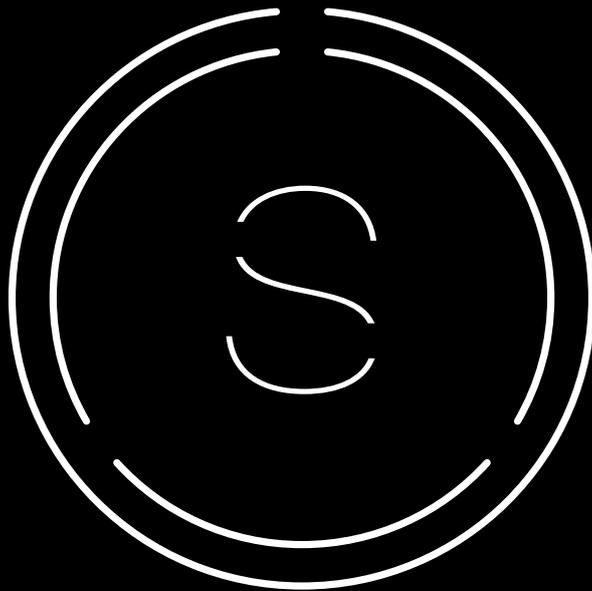
SIGNAL S



MORE OPPORTUNITIES TO SHINE

ATMAT. WE CREATE A WORLD WHERE CREATIVITY IS THE ONLY LIMIT

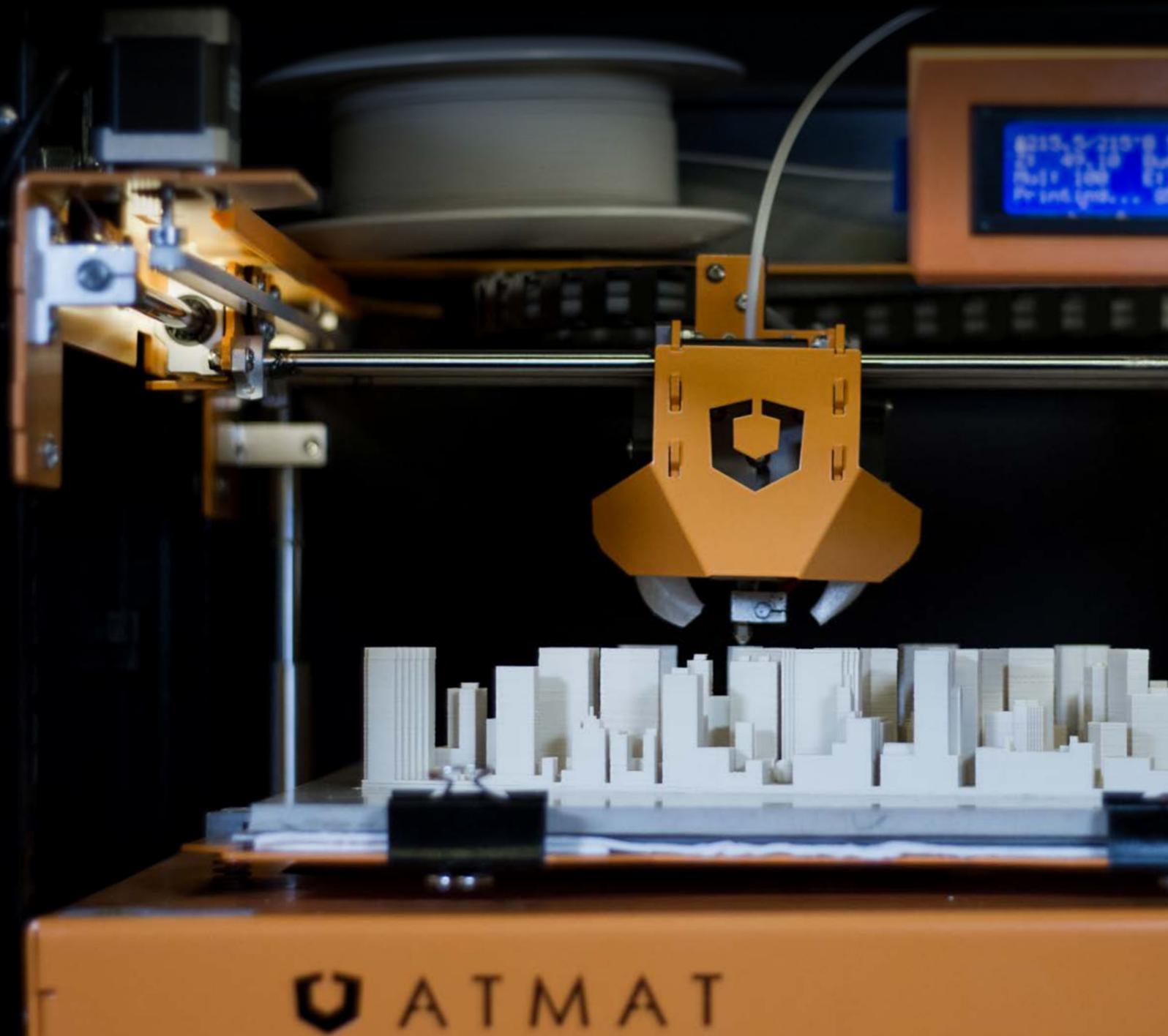
The **ATMAT Signal S** series is a combination of a simple, stable design with high efficiency and printing precision. The printer can easily meet the expectations of every single user, and its versatile application will help increase the quality of work. The utilised solutions ensure freedom of choice of material and printing parameters. The unrivalled feature of the printer is its versatility, giving the opportunity to print using the most popular filaments available on the market, such as PLA, ABS, PET-G, TPU, HIPS, NYLON, PC, while the DIRECT type extruder allows printing from flexible and brittle materials such as filaments with admixtures. The versatility of the printer in terms of model preparing software is also an indisputable convenience.



S I G N A L S

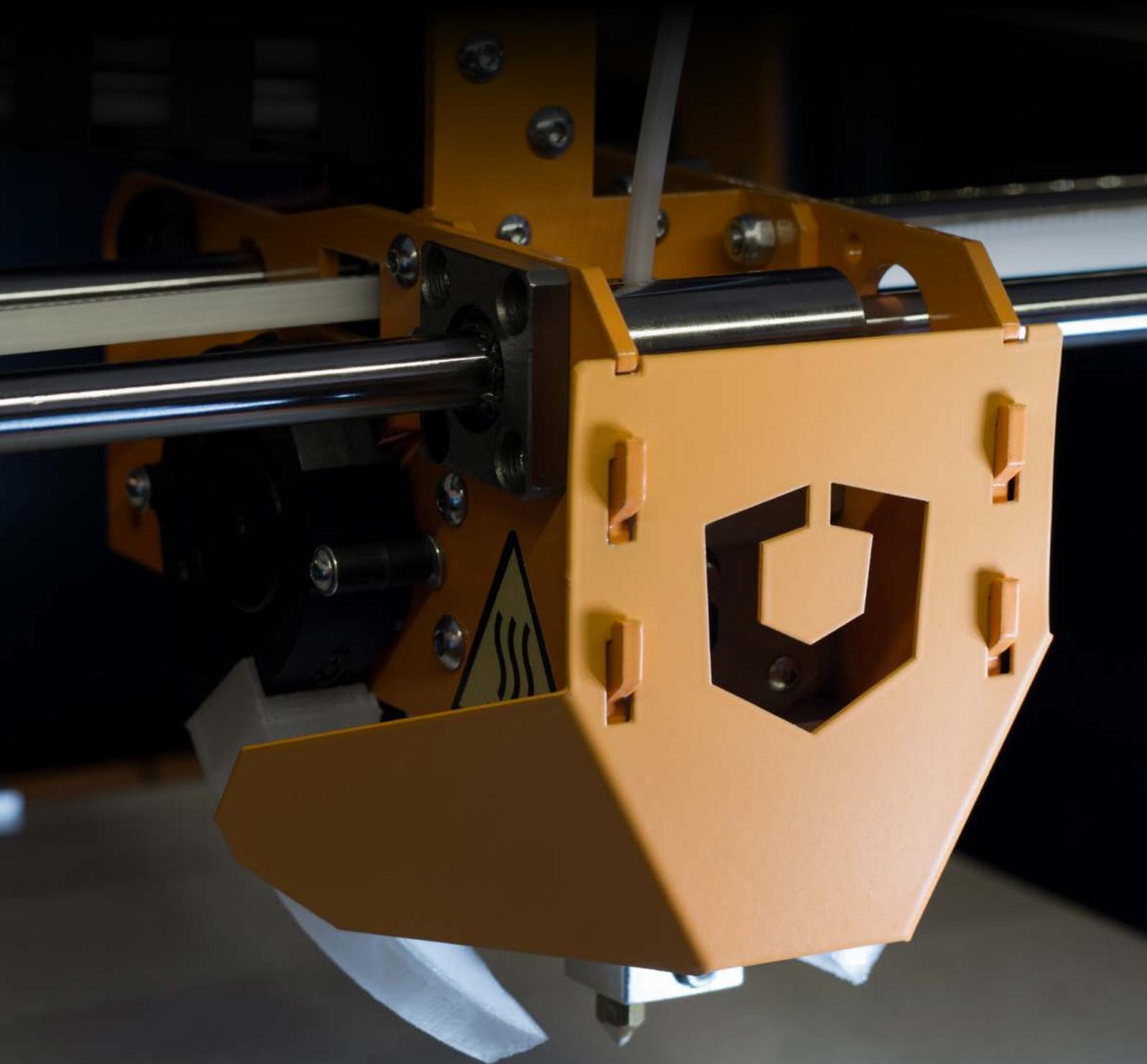
WORKING AREA

The device has been designed to easily meet the requirements of users taking their first steps in 3D printing technology. The printer's working area is the largest area offered in the market in this class and price range. It allows you to create printouts with a high degree of complexity, as well as ones of larger dimensions.



RELIABLE EXTRUDER

The use of a **reliable direct extruder** allows for uniform flow and filament implementations. When making prints, even complicated ones, it ensures uniform distribution of the melted material.



SIMPLE CONSTRUCTION

Black rack cabinets are a low-cost solution to create the **solid construction and interesting appearance of the 3D printer**. A closed housing protects the printout against unwanted external factors, providing an ideal working environment.



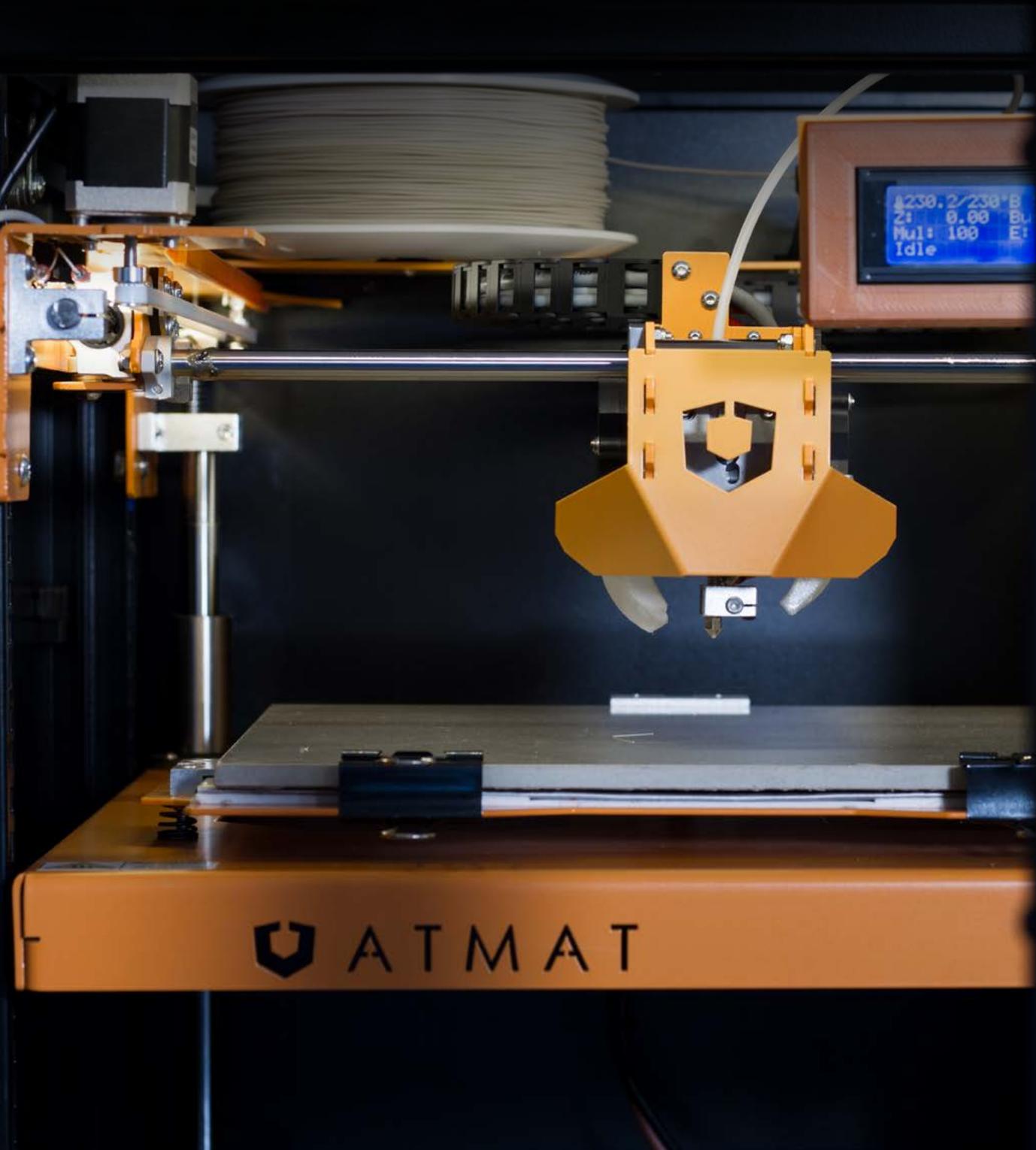
ORIGINAL COOLING SYSTEM

Specially designed fan overlays are directed to the nozzles, allowing original models to be **printed with a flat and uniform surface**. This is especially important for models with elements printed partly in the air.



ACTIVE TEMPERATURE CONTROL

Incorporation of a **sealed enclosure with heating control system** and ventilation ensures that the temperature inside the working chamber is kept at the same level and that the harmful fumes generated inside are eliminated. This guarantees an **appropriate working environment** for demanding materials, while ensuring the safety of users.



CUSTOMISATION IN ALL RESPECTS

Engineering solutions were selected in such a way as to assure **full freedom in terms of material and print parameters**. The **ATMAT Signal S**, due to its direct type extruder, works with a wide range of filaments available on the market - from typical solutions, such as PLA, PET, ABS, elastic materials to rubber or plastics with admixtures of wood, metals or mineral additives. The **versatility of the printer in terms of model preparing software for printing** is also an indisputable convenience. We have appropriate profiles for both free and commercial slicers.



POLISH PRODUCTION, SUPPORT AND SERVICE

When it comes to our products, we always focus on the **highest quality**, imprinted both on production, sales and after-sales services. Every single device we make is **manufactured in Poland** - all products are designed, tested, produced and stored in Poland. Our qualified specialists - **engineers with extensive experience** - make every effort and do absolutely everything possible to assure products leaving our factory meet the expectations of even the most demanding customers. In addition, we provide **fast and fully professional after-sales service** (during the warranty period and after). We provide assistance in both the initial configuration of equipment and advise on its further operation.



SPECIFICATION

DEVICE OPERATION

print technology	FFF (FDM)
number of heads	1
number of extruders	1
working area	X: 300 Y: 300 Z: 240 mm
layer height	0,07 - 0,6mm
filament diameter	1,75 mm
nozzle diameter	0,15 - 0,8 mm
print speed in HQ mode	70 mm/s
positioning accuracy of the X/Y axis	10 µm
filling speed	150 mm/s (depending on nozzle diameter)
positioning accuracy of the Z axis	1 µm

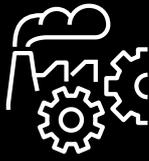
DEVICE

printer dimensions	600 x 600 x 630 mm, 32 kg
print materials	PLA, PET-G, ABS, TPU, HIPS, PVA, PC, Nylon, elastic, materials with mixtures
support materials	PVA, HIPS, others
extruder	direct
communication	SD card
printing environment	closed work chamber
working table	ceramic slab, tempered glass
max. table temperature	140°C
heated chamber	no
max. head temperature	295°C

TECHNICAL SPECIFICATION

power	230 V / 50 Hz
average power consumption in operation (for PLA)	200 W
max. power consumption	600 W
software package	Simplify 3D, Cura
supported formats	.gcode

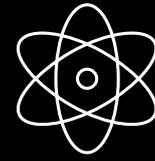
USAGE



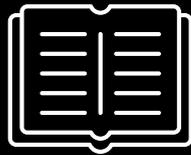
industry



usable elements



medicine

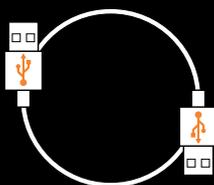
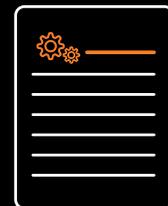
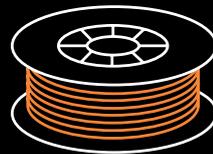
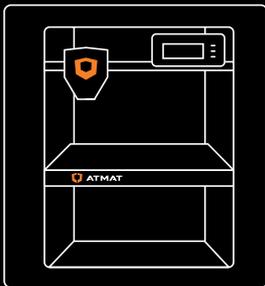


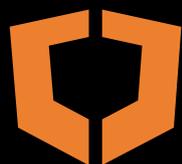
education



architecture

ELEMENTS OF THE SET





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