ATMAT

GALAXY

RELIABLE PRECISION OF CREATION

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

The **ATMAT Galaxy** model is a printer created for users who want to achieve high printing quality while working in a large format with demanding elements. The device stands out above all similar products in several respects:

Printing precision – every single element, even extremely large ones, is printed with extreme accuracy and perfect reproduction of all details.

Efficiency – the equipment can run continuously for many hours without interrupting the printing procedure.

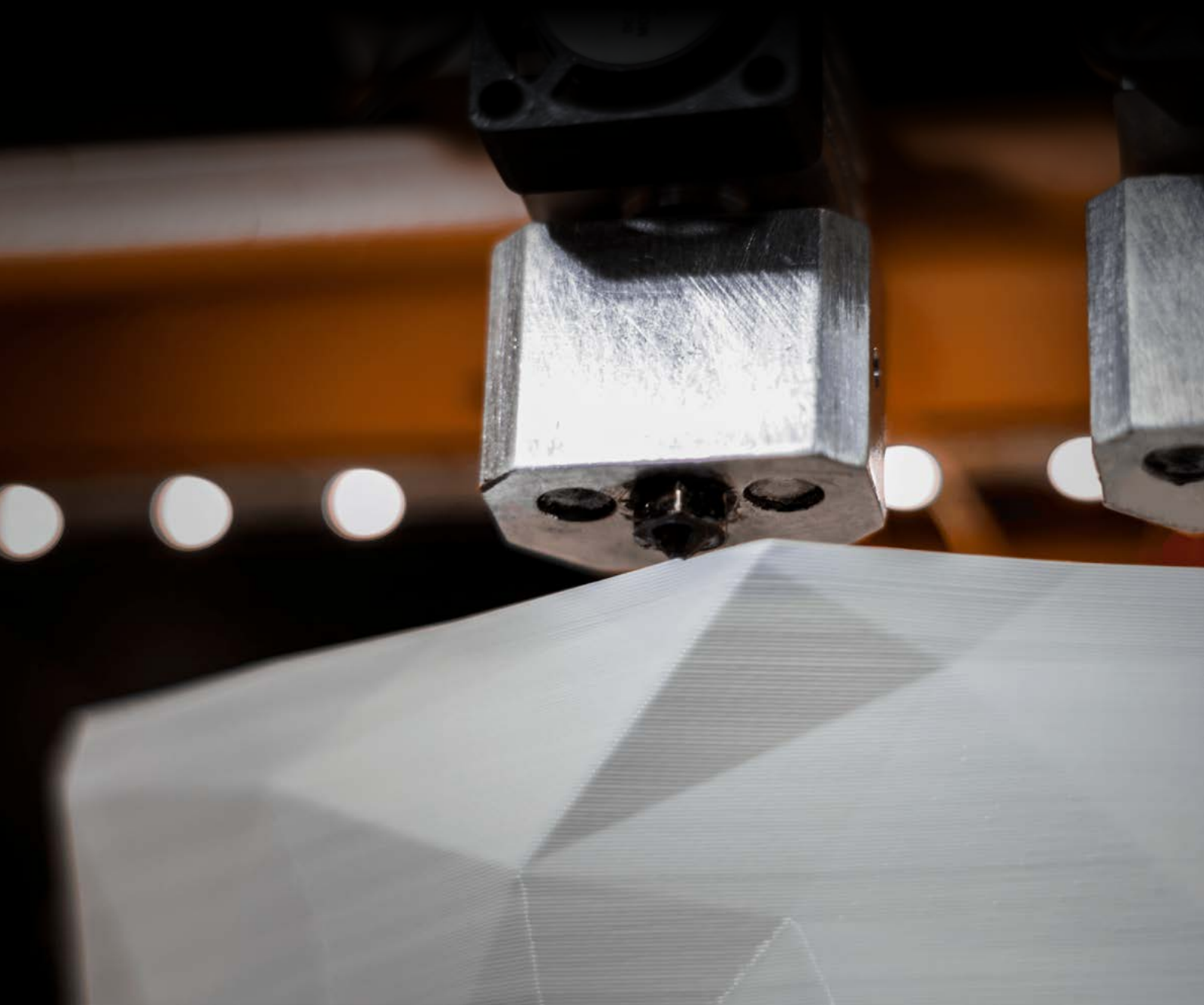
Versatility – two printing heads allow you to work with the majority of materials available on the market, thus giving great printing possibilities.

The printer was made using proprietary technology that ensures stability and high quality of the utilised technical solutions. **It is an ideal choice for people working in the industry, because its functionality in conjunction with the large workspace give virtually unlimited printing possibilities.**

G A L A X Y

PRINTING RANGE
LARGE WORKSPACE

The ATMAT Galaxy printer will be appreciated especially by companies from the industrial sector (engineering, robotics, automotive, aviation, or architecture) wanting to increase the efficiency of their operations, adding 3D printing technology to them. Our equipment is distinguished by an **exceptionally large working field**, giving the opportunity to create large-size elements, even with a very high degree of complexity. Long range, allowing large elements to be printed reliably, enabling serial production. All the above make the ATMAT Galaxy **printer a full-fledged, heavy-duty device** that can be successfully used by virtually any company.



UNIVERSAL 2 HEADS

MANY PRINTING POSSIBILITIES

Our device is **fully universal**, which is due to the double head, giving the possibility of FFF (FDM) printing, and to the fact that it can print using various materials (including PLA, ABS, PET-G, TPU, HIPS, NYLON, Laywood, or Laybrick). The design solutions implemented in the ATMAT Galaxy printer were selected so as to give users **absolute freedom in choosing not only the material, but also the printing parameters.** Direct extruder is compatible with a wide range of filaments available on the market. Additional convenience in everyday use is the **versatility of this device** in terms of supported software. In order to prepare models for printing, you can use both free and commercial slicers.

PROTECTION
USERS AND THE ENVIRONMENT

Working in industry requires special arrangements to ensure **human safety and uninterrupted operation of devices.** This is why the ATMAT Galaxy printer has been equipped with a closed chamber for the multidimensional working field. The chamber has **a system of forced ventilation** to discharge harmful fumes and chemical compounds generated during the printing process. The system makes working on the device safe both for operators and the natural environment.

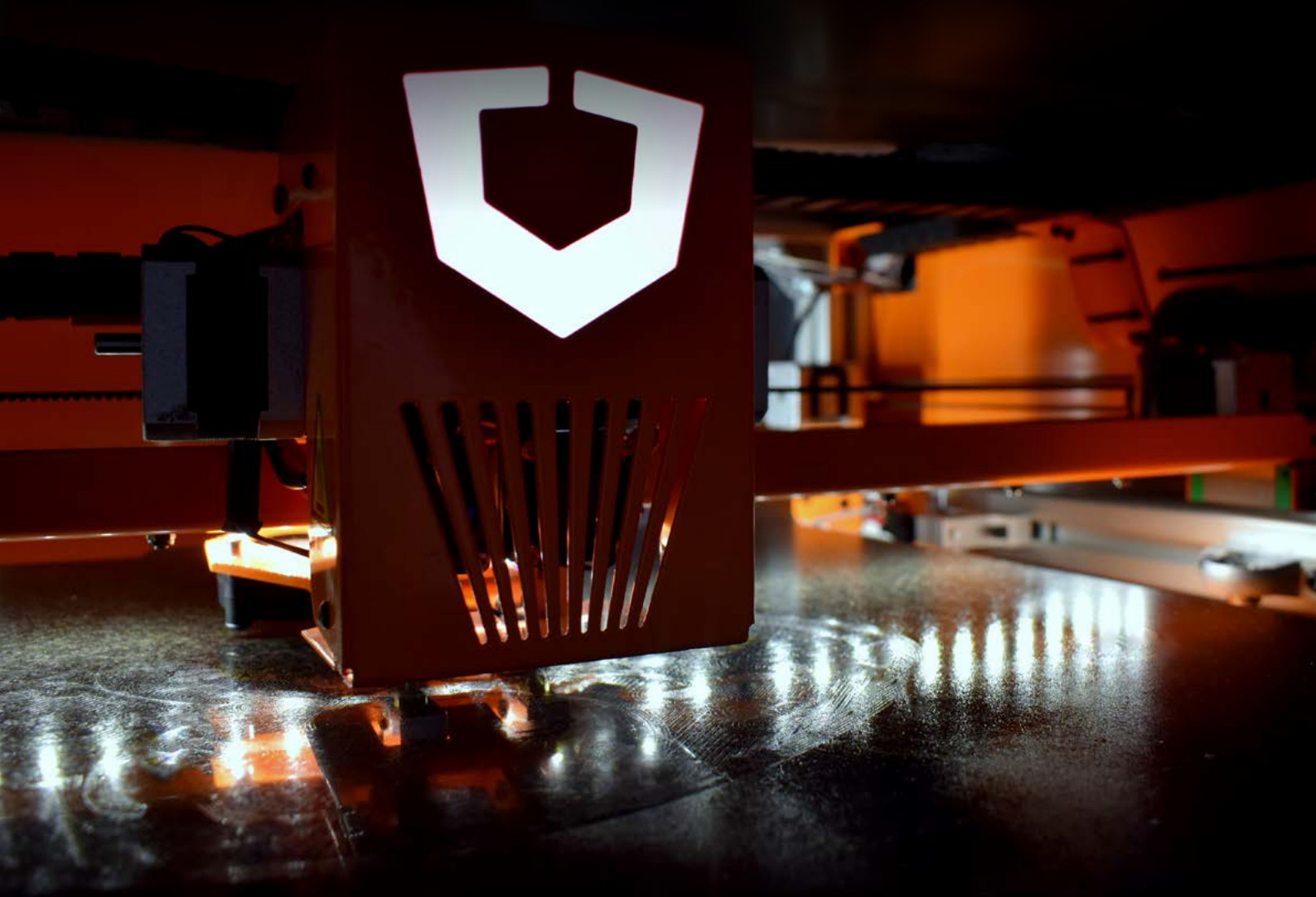
STABILITY
PERFECT EFFECTS

The **ATMAT Galaxy** printer has been equipped with a tight steel casing and a heating control system. The casing allows **a constant, optimal temperature to be maintained** within the working chamber. The hot air flow control system used **guarantees an appropriate working environment** for demanding materials. It ensures maintenance of the right temperature, while preventing the material from delaminating and detaching from the table surface.

SECURITY

EVERYTHING UNDER CONTROL

Robust design makes the printer **meet all health and safety rules** and is fully adapted to be operated in industrial facilities. The **ATMAT Galaxy** model has LED backlighting installed on the extruder trolley. The LED backlight **informs the user about the current status of the printer.** If the temperature of the heating elements is rising - the colour of the backlight changes (from white for a cold head to red for a temperature exceeding 200°C). In this way, operators in the vicinity of the printer are quickly informed about its condition and thus can **avoid possible burns.** To ensure 100% security, the printer has **an additional ESTOP button.** Using the button you can **immediate deactivate the equipment** (e.g. in case of a failure or other emergency situation). Operational security requirements are fully fulfilled by the chamber door equipped with a keyed lock. The locked door prevent unauthorised persons from entering the printing area.



MADE IN POLAND

PROPRIETARY SOLUTIONS, 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	2
number of extruders	2
working area	Galaxy 500 - X: 400 Y: 400 Z: 500 mm Galaxy 600 - X: 500 Y: 500 Z: 600 mm
layer height	0,07 - 0,6 mm
filament diameter	1,75 mm
nozzle diameter	0,15 - 0,8 mm
print speed in HQ mode	80 mm/s
positioning accuracy of the X/Y axis	7 µm
filling speed	150 mm/s (depending on nozzle diameter)
positioning accuracy of the Z axis	0,625 µm

DEVICE

printer dimensions	Galaxy 500 - 1100 x 750 x 950 mm, 80 kg Galaxy 600 - 1200 x 850 x 1100 mm, 90 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, USB, LAN, WiFi
printing environment	closed work chamber
working table	granite slab
max. table temperature	140°C
heated chamber	yes
max. chamber temperature	45°C
max. head temperature	295°C

TECHNICAL SPECIFICATION

power	230 V / 50 Hz
max. power consumption	1200 W
average power consumption in operation (for PLA)	400 W
software package	Simplify 3D, Cura
supported formats	.gcode

USAGE

production and industry

rapid prototyping

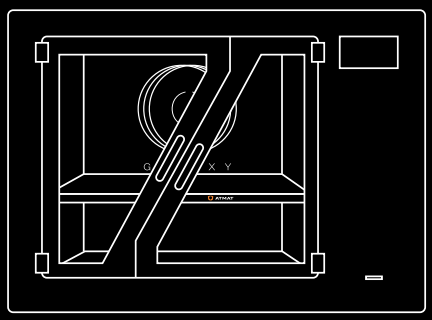
robotics

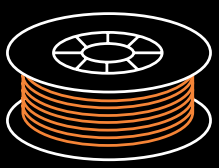
engineering

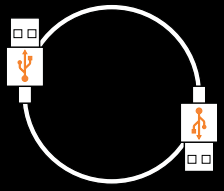
automotive and aviation

architecture

ELEMENTS OF THE SET







ATMAT

ATMAT Sp. z o.o

info@atmat.pl | www.atmat.pl

MAIN OFFICE:

ul. Władysława Siwka 17
31-588 Kraków
Poland

WAREHOUSE:

ul. Leśna 28
32-590 Libiąż
Poland