

# AZERBAZALT



THE FUTURE OF  
LARGE SCALE

**3D**  
PRINTING

DISCOVER  
THE AZERBAZALT  
MEGA PRINTER

**industry**  
AZERBAZALT



# BIGGER IS BETTER

**2.16**  
M3 PRINT VOLUME

Print volume 2,16m3 enables you to print BIG parts.

**2-8MM**  
nozzle

Choose which surface quality and print speed you want to achieve by switching between our different nozzles.

average output  
**1-8 KG**  
per hour

High output makes fast prints, lower output for better quality. You choose!



## PLUG & PLAY

We do not only make 3d printing easy, but we also want the whole process for you as a customer to be easy. Fast and easy installation and a short time to start printing!

## COMPACT

Azerbazalt's large print volume of as much as 2.16 m3 makes it possible to print really large details, but despite this, Azerbazalt is compact enough to be transported in standard containers.



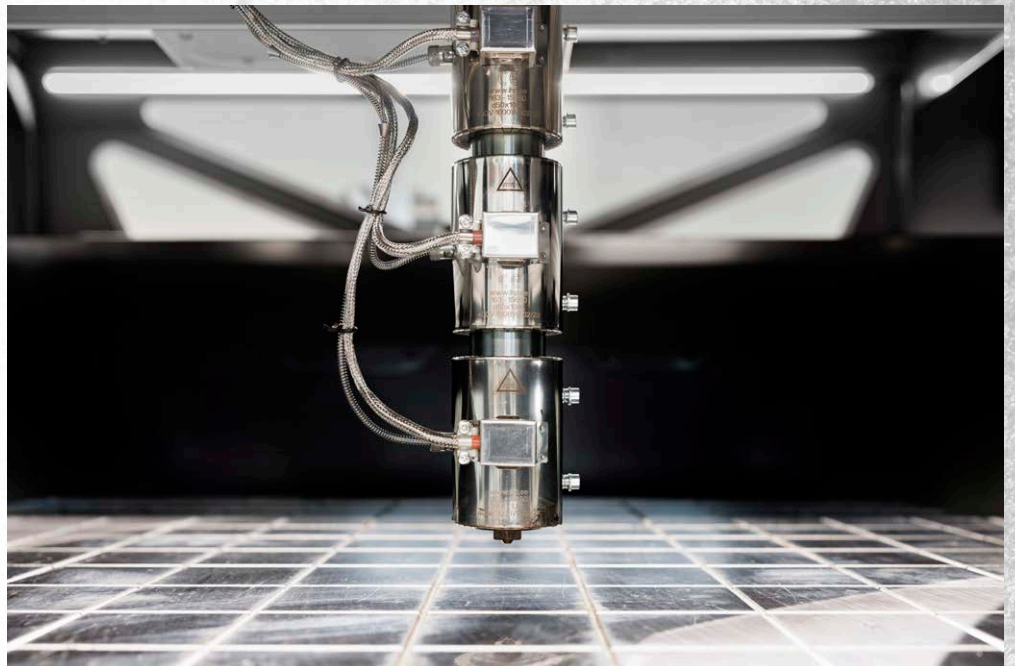


## AIR COOLING OF NOZZLE

Air cooling of the nozzle – Helps to remove heat from the object to prevent melt and collapse of print. Depending on the material this can enable us to print even faster!

Our patented heated vacuum table enables more efficient and cheaper production because we can use several printing sheets to print on. It also enables very short downtime of the printer. As soon as your detail is finished printing, you can turn off the vacuum, take out the print sheet with the printed detail, and put it in a new printing sheet to immediately start a new print.

## HEATED VACUUM TABLE





# OPEN MATERIAL SYSTEM

## GRANULES/PELLETS

### GRANULATE



### PELLETS



### BASALT



**AZERBAZALT OFFERS GREAT FLEXIBILITY THROUGH ITS POWERFUL OPEN MATERIAL SYSTEM**

A wide range of materials and open source filaments is accepted. Using granules/pellets instead of filament has many advantages when you want to print large. Allows higher output, and It can sometimes be as much as ten times cheaper than equivalent filament.

## MATERIALS

ADDNITE  
P15R

**Addnite**

ECORUB  
TYRE RUBBER

**ecorub**

STORA ENSO  
DURASENSE  
OCEAN 3D

**storaenso**

REFLOW PLA



OCEAN TIDE PP

**#tide**  
OCEAN MATERIAL

EKBACKEN  
FISHNET  
NYLON

## OPEN SOURCE

**rPETG**

**rPP**

**rTPE**

**rTPU**

**rPLA**

**rPA**

**rPVA**





# AZERBAZALT

## LARGE SCALE 3D PRINTING MADE EASY

By combining recycled thermoplastics, large volume, and the 3D-printing technique, AZERBAZALT enables you to turn waste into value. The manufacturing method of the future is here.

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## SPECIFICATION

AZERBAZALT	
Dimensions	2900x2200x2350 (mm)
Printer weight	Est. 2500 kg
Machine control	Bosch Rexroth MTX
HMI	Industry
Monitoring system	Camera and mail/text-module
Print speed	Up to 600 (mm/s)
Movement speed	Up to 850 (mm/s)
Accuracy of linear modules	0,001 (mm)
Max weight of printed items	350 (kg)
Print table	
Dimensions (LxW)	1500x1200 (mm)
Print height	1200 (mm)
Print volume	2.13 (mm)
Max print bed temperature	165 °C
Vacuum table	YES
Extruder	
Nozzle size ø	2, 4, 6, and 8 mm
Layer height	
Screw dimension ø	25 (mm)
Average output	Between 1-5 (kg/h)
Maximum output	Up to 15 (kg/h)
Cooling at nozzle	Yes
Heating zones	
Accuracy of material	Material speci

# 600

**MAXIMUM MILLIMETER PER  
SECOND PRINTING SPEED**

Top speed is linked to  
project variables, eg.  
material, nozzle,  
temperature and model.

To deliver a great  
Azerbaijan-experience, we  
offer our customers a service  
and support agreement that  
includes everything required  
for your Azerbaijan to be  
top-notch!

# XXL SUPPORT

