



GRAVITY

SLS 3D-printer for your office



The world's strongest 3D printed SLS

A complete system that uses strong SLS produced 3D printed parts with only a subscription and a power cord as installation.

A single monthly subscription

No more hassle, licensing fees or service plans. But most importantly, no more production stop.

Fully integrated powder handling

A patent pending solution for powder recycling inside the machine. That means less waste powder and higher efficiency.

Stronger laser algorithms

A unique patent pending laser application system can, with the power from our cloud system, produce 3D printed components that are stronger than injection moulding and can compete with aluminium.

36-60
months

75 MPa
Tensile Strength

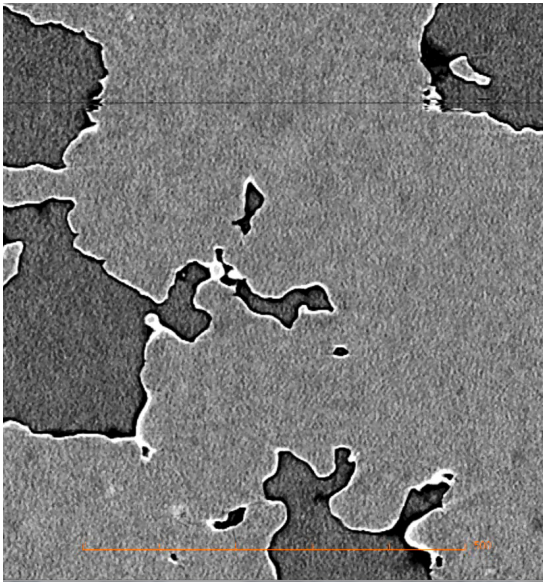


Pure strength made by our proprietary laser algorithm

No porosity in Wematter 3D prints means more homogenous properties and higher density. This is what makes Wematter 3D printing stronger than conventional SLS.

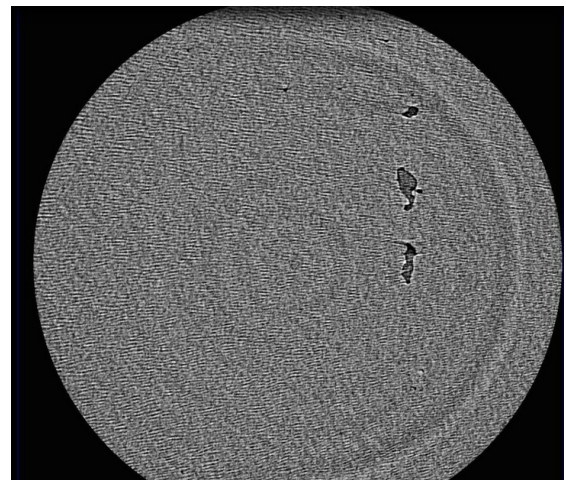
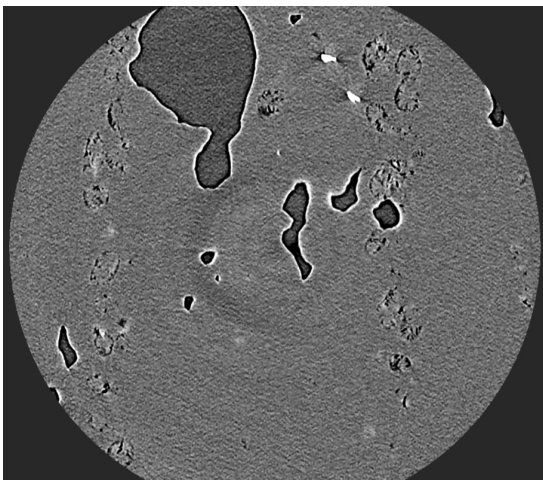
Competition

Made by State of Art solution



Wematter Gravity

Made out of Pure Strength



Testing done by RISE (Innventia) through x-ray computed tomography

Technical Specification

Build Volume

300 x 300 x 300

Millimeters

Layer Thickness

100 microns

0,1 mm

Speed

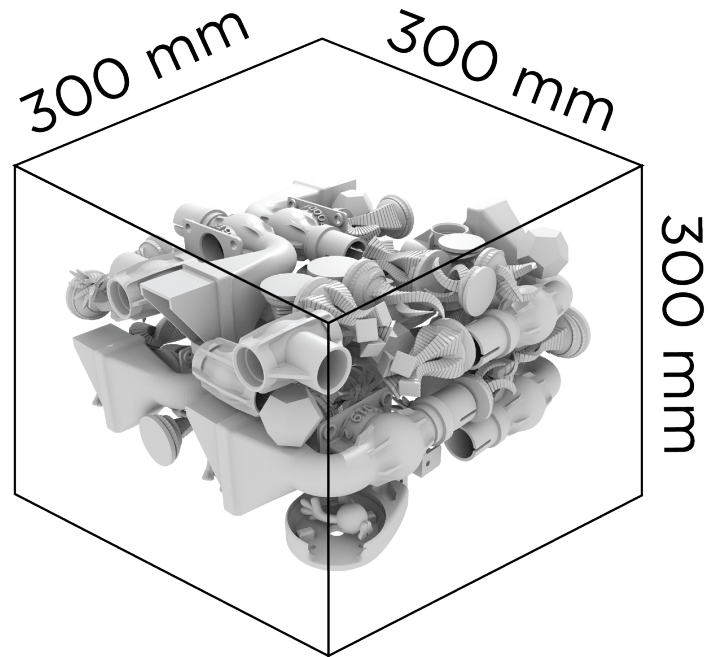
1 cm/hour

100 layer/hour

Laser spot size

0,2 mm

(Laser diameter 0,5 mm)



Size

1,8 x 0,75 x 0,6 m

Height x Width x Depth in meters

Color options

100 % Matte black

RAL 9005

Controls

WeMote

Power requirements

Idle 400 W

Warm up 2,2 kW

Lightning fast, Cloud Connected & always ready

We have developed a complete software platform with no installation requirements that is always maintained and served through our cloud.

No more desktop software

With Wematter you only have to log in to our homepage and control your printer from anywhere in the world. No more Windows, only Camera Streams.

24/7
connected

Slicing software in the cloud

No more long waiting times for the slicing process, no more software updates and no more discussions with IT-security gate keepers.

100 %
updated

Packing made simple with Stacker

Our proprietary smart algorithms handle multiple 3D objects at the same time and package them as closely as possible. The efficiency increases while at the same time reducing the amount of powder in the process.

1 button
1000 prints

Rotation

x	115°	↻	⊞	Enter degree
y	337°	↻	⊞	Enter degree
z	89°	↻	⊞	Enter degree

Position

x	150	⏪	⏩	
y	150	⏪	⏩	
z	17	⏪	⏩	Floor

Reset

Gravity 2

✓ wematterlogo.stl

1

Upload

Check collisions

Slice

Print

Unlock refill hatch

IDLE
Ready to print

wematter

Material properties

We can provide a wide range of materials starting with Pure Strength, a Polyamide based material, with more materials coming soon.

Material Properties

Wematter Pure Strength

PA11 100% renewable source

Ultimate Tensile Strength	45 MPa
Tensile Modulus	1500 MPa
Elongation at break	45 %
Density	1,0 kg/liter
Melting point	200 °C
Hardness	77 Shore D

More materials coming

Polypropylene PP
Polyamide Natural 12
Polyamide + Fibre
Polypropylene PP + Nanocellulosa

Contact us for more information

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