



Your AM Solution

The sophisticated ecosystem
for metal 3d printing



We invent. You succeed.

 one
lab



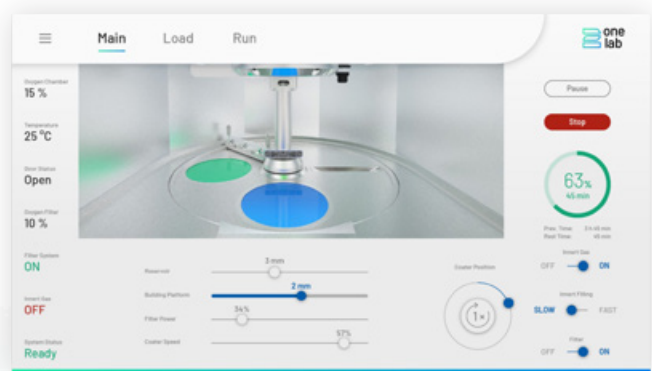
CREATE



A compact

3D metal printer

designed to produce complex parts



2Create user interface

Features



Fast material change

Change your powder within 20 minutes



Plug & Play

Ready to start printing titanium & other alloys



Instant printing

Ready to print in below 5 minutes (from 21% oxygen to below 1%)



Extrem low running costs

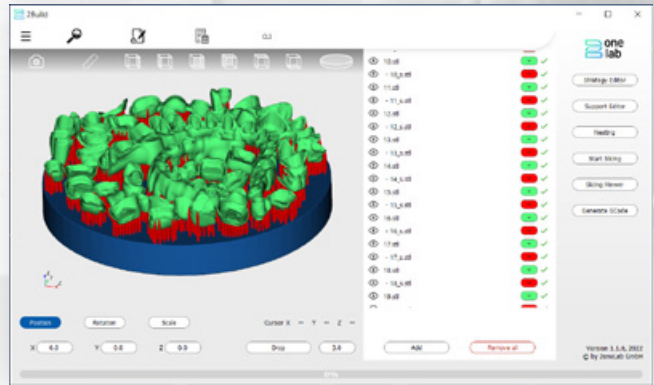
Low energy consumption, long life and affordable filters, low maintenance concept

General		Optic	
Build volume	Ø 100 mm x 100 mm	Laser source / power	Yb fiberlaser / 250W
Reservoir volume	Ø 110 mm x 200 mm	Wavelength	1070nm
Coater	Rotation precision coater	Lens	Precision F-Theta lens
Inert gas	Nitrogen / Argon	Scan speed	up to 10 m/s
Layer thickness	20 - 100 µm	Spot size	min. 40 µm
Dimensions	720 x 860 x 1790 mm	Electronic	
Weight	450 kg	Power	230V, 10A 50/60Hz, 2.3kW



BUILD

An innovative
CAM software
developed for smart automation
and optimization of your printing
results



Features



Nesting

High-speed nesting saves
valuable post-processing time



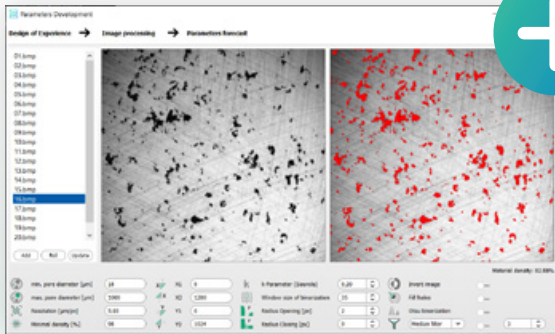
Labeling

Advanced labeling for
easy identification of parts



Support generation

Sophisticated, fully automated
support generation



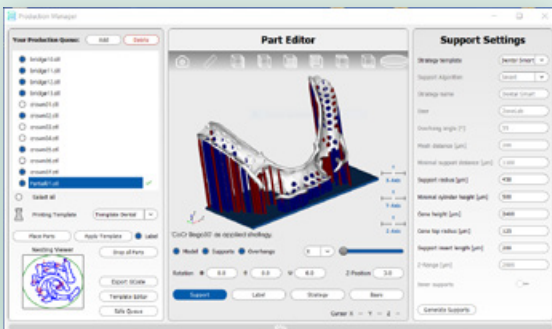
Integrated analytic tool

- + Quickly develop new parameters
- + Automatic design of experiments
- + Integrated density evaluation with image analysis
- + Automatic calculation of optimal printing parameters



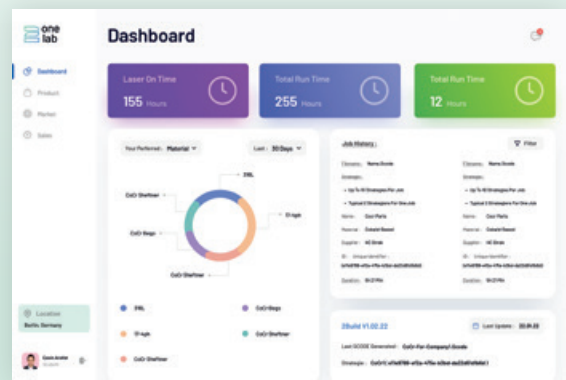
Production manager

Boost your productivity & workflow optimization



2Connect

Control and monitor your AM ecosystem
on one platform





Applications

Your challenge. Our solution.

2Create is an industry-leading 3D metal printer designed specifically for small and medium-sized parts. Whether you need to make implants, industrial parts or just for the flexibility of research and development, the **2Create** can handle the job in a cost-effective, efficient, and high-quality way. With an open concept design, this 3D printer is compatible with powders from other manufacturers giving you the freedom to make a wide variety of parts without having to spend extra money.



80 crowns in CoCr in 4.30 h



Heat conductor in aluminium,
built in 4.10 h



1 ring in 316L, built in 2.30 h



3 abutments in CoCr built in 3.20 h
Post processing: connectors milling



Learn from the AM experts

At 2oneLab, we are passionate about Additive Manufacturing and the ability to create. A group of passionate minds came together to reduce complexity in 3D printing and make it accessible to everyone.

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