

# 2onelab

Truly Innovative Additive  
Manufacturing and 3D Printing  
for your Industry



## Your complete 3D Metal Printing Ecosystem

- Versatile Combinations
- Easy Operation
- Time and Resource Efficiency





**It's our mission to enable our customers to unlock the full potential of Additive Manufacturing, allowing them to streamline their processes and save valuable time, money, and resources.**

# 2onelab

## Innovation from Germany

### We are the Experts for 3D Metal Printing and Additive Manufacturing

At 2onelab, we are passionate about Additive Manufacturing and the ability to create solutions based on individual needs and product-visions. We came together to reduce the complexity in 3D printing and make it accessible to everyone and any industry.



**Markus Wolf**  
Founder & CTO

**Ran Reznik**  
Founder & CEO



**It is our vision to be the catalyst for change in 3D Printing and Additive Manufacturing in any industry, setting new benchmarks for efficiency and quality.**

# Your complete 3D Metal Printing Ecosystem



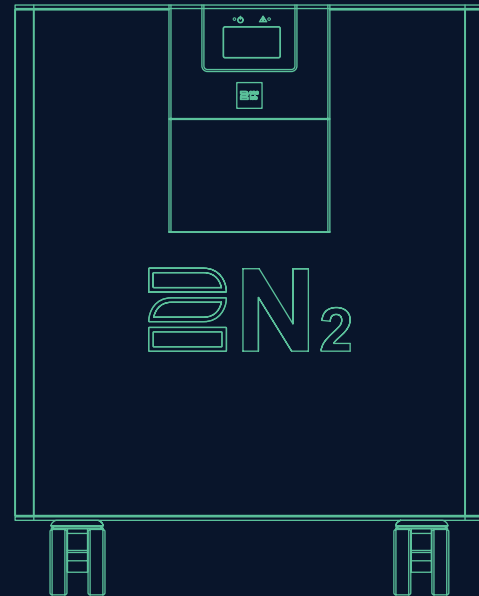
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## 2Create & 2Create Plus

### 3D Printer for your Metal

Discover endless possibilities with the 2Create and 2Create Plus metal 3D printer. The user-friendly interface and flexible material selection provide an innovative solution for your projects.

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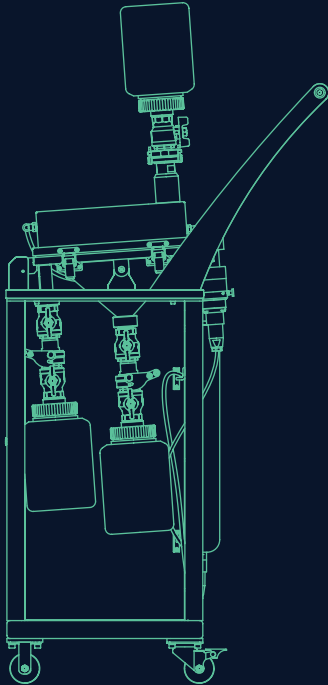
## 2N2

### Self-Sufficient Nitrogen Supply

Nitrogen generator is used to supply 2Create and 2Create Plus with nitrogen gas at the push of a button, to reduce the oxygen amount in the building chamber to prevent material from oxidation.

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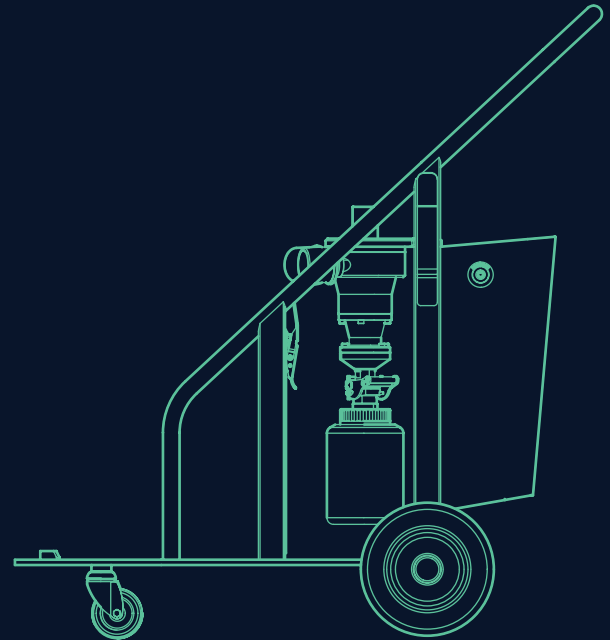
# Build & Create



## 2Sieve

### Ultrasonic Sieving System

Whether it is titanium, cobalt-chrome, aluminum or any alloy, the sieving system 2Sieve helps you to optimize the powder quality to achieve optimal printing results.



## 2Clean

### Precision in Powder Recovery

Effortless cleaning with 2Clean Cleaning System. The 2Clean comprises an explosion-proof vacuum powered by compressed air, meeting the stringent standards of ATEX directive.





# The only 3D Metal Printer you will need!

## Printing of mixed plates

Crowns, bridges, partials on one platform

## Optimal parameter for perfect fitting

Less post processing

## Fast printing

One full platform in only 3 hours

## Margin increase of up to 30%

Reuse the platform and powder

## Low running costs

Low energy consumption, long life filters,  
low maintenance

## No specialists needed

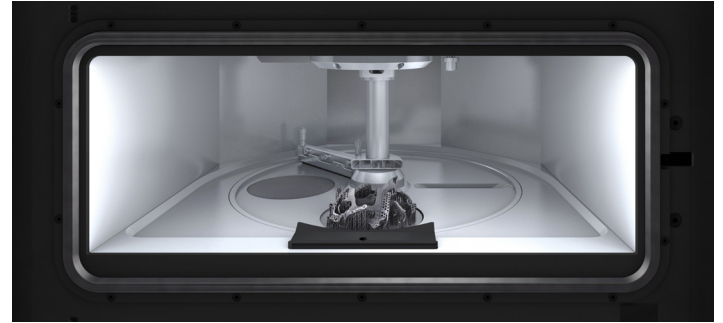
Learn the software and the workflow in  
only two days!

# 2Create

## Technical Data

Process:	Powder Bed Fusion
Build Volume:	100 x 100 mm
Powder Reservoir:	100 x 200 mm
Coater:	Rotation Precision Coater
Inert Gas:	Nitrogen/Argon
Layer Thickness:	30 - 60µm
Weight:	450 kg
Dimensions (W x D x H):	720 x 860 x 1790 mm

## Basic Build Volume and Envelope Size



# 2Create Plus

## Technical Data

Process:	Powder Bed Fusion
Build Volume:	150 x 150 x 100 mm
Powder Reservoir:	150 x 150 x 200 mm
Coater:	Linear Coater
Inert Gas:	Nitrogen/Argon
Layer Thickness:	30 - 60µm
Weight:	450 kg
Dimensions (W x D x H):	720 x 860 x 1790 mm

## Advanced Build Volume and Envelope Size



## Your sophisticated AM Solution

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 metal 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.



### 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



Mixplate (Crowns, Bridges and Partials) /  
CoCr / built in 3.5h



3 Partials / Ti / built in 2.5h



5 Partials / CoCr / built in 3.5h



Ortho Bands / Stainless Steel / built in 2.5h



Polished Partial on a Model



## Optimized for Dental Applications

Our solutions provide the flexibility and speed you need for efficient production of crowns, bridges, partials, and ortho bands.

We understand the specific requirements of your dental lab and offer solutions that enable quicker response, enhance your product quality, and reduce your operational costs.

# 2Build

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

Print what you want in exactly the way you want.

## Nesting

High-speed nesting saves valuable post-processing time

## Labeling

Advanced labeling for easy identification of all parts

## Support generation

Sophisticated, fully automated support generation



# 2Connect

The unique online platform that allows to monitor the status of your printers and your process chain.



## **Marketplace for Printing Strategies**

Central management of new printing strategies, easily integrable into CAM software.

## **Comprehensive Printing History Analysis**

Tracks and analyzes the user's complete printing history, including consumables usage.

## **Optimized for Service Excellence**

Designed to ensure optimal service delivery and high customer satisfaction.

**The primary advantages of 2onelab lies in the diverse array of hardware solutions that guide you seamlessly through every stage of your 3D printing workflow, from inception to completion.**

# 2N2

## Self-Sufficient Nitrogen Supply

Nitrogen generator is used to supply our printers with nitrogen gas at the push of a button.

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### Technical Data:

N2 Outlet:	6mm
Flow Rate (Max.):	70 l/min
Outlet Pressure (Max.):	9 bar (130 psi)
Nitrogen Purity:	< 500 ppm@ 10 l/min < 0.5% @ 30 l/min
Power Supply Voltage:	220-240 Vac (±10%) 50/60 Hz
Rated Power (Max.):	2.2 KW
Net Weight:	175 kg
Noise Level:	< 50 dB
Dimensions (W x D x H):	590 x 920 x 730 mm

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### Main Advantages:

- + Easy Use & Quick Installation
- + Low Maintenance
- + Low Noise
- + No Belts, direct Drive
- + Generates Nitrogen on Demand
- + Exclusive Electronic Flow Control
- + Designed to run 24 Hours a Day

# 2Sieve

## Ultrasonic Sieving System

Whether it is titanium, cobalt-chrome, aluminum or any alloy, the sieving system 2Sieve helps you to optimize the powder quality to achieve optimal printing results.

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### Technical Data:

Mesh:	63µm
Sieving Capacity:	approx. 1kg per 30min
Output Frequency:	33-37 kHz
Electrical Connection:	115 / 230 VAC; ~50/60 Hz
Dimensions (W x D x H):	360 x 420 x 930 mm

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### Main Advantages:

- + Compact Design
- + Integrated HEPA filter for maximum Safety
- + Safe Screening under Protective Gas
- + Fit directly into the 2Create & 2Create Plus
- + Safe, Simple, Efficient



# 2Clean

## Precision in Powder Recovery

Effortless cleaning with 2Clean Cleaning System. The 2Clean comprises an explosion-proof vacuum powered by compressed air, meeting the stringent standards of ATEX directive.

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### Technical Data:

Drive:	Compressed Air Drive
ATEX-ZONE:	1 / 2 / 21 / 22
Air Consumption:	30-45 m./h
Negative pressure (Max.):	-250 mbar
Weight:	63 kg
Dimensions (W x D x H):	950 x 950 x 600 mm

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### Main Advantages:

- + Efficient Powder Reuse
- + Comprehensive Cleaning
- + Easy Integration
- + Safe
- + Maintenance Readiness



# Reach out to us and our experts to discover a suitable solution for your product visions!

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#BuildandCreate



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