# Your AM Solution

The sophisticated ecosystem for metal 3d printing





We invent. You succeed



## CREATE



## A compact

## **3D metal printer**

designed to produce complex parts



2Create user interface



## 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%)

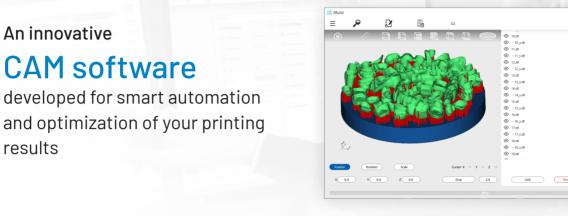
## **S** Extrem low running costs

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	Laser spot size	Adjustable while printing: 40-250 $\mu m$	
Dimensions	720 x 860 x 1790 mm	Electronic		
Weight	450 kg	Power	230V, 10A 50/60Hz, 2.3kW	



#### В U D





results

An innovative

Nesting

High-speed nesting saves valuable post-processing time

### Labeling

Advanced labeling for easy identification of parts

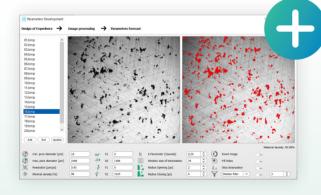


## Support generation

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Version 1.1.0, 2022 © by 2oneLab GmbH

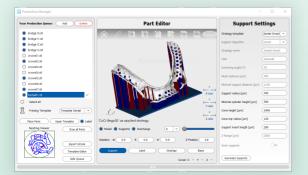
Sophisticated, fully automated support generation





### **Production manager**

Boost your productivity & workflow optimization



## Integrated analytic tool

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



### 2Connect

Control and monitor your AM ecosystem on one platform

e one lab	Dashboard			9
<ul> <li>Dashboard</li> <li>Product</li> <li>Market</li> </ul>	Laser On Time	Total Run Time 255 Hours		al Run Time
3 Sales	Your Performed : Material 🛩	Last: 30 Days Y	Job History :	⊽ Filter
	CoCr Steffoer	384 7-4ph	Borregin: • By To B Ethnologies Per Jub • System 2 Borsergies (For Grou, Jub Norme): Coard Parts Franciski: Coald Based Suppler: HC Stank (D): Unique Alentifier: (Settame Ger Schulzer Based Based Statewood (Settame Based Statewood)	Bostopic. • Up to 50 Struttagies Par-Joh • Typical 2 Struttagies Par-Joh Name : Coor Parts Hostrial : Cobiol-Based Buggier : HC Strak B: Unique Non Thir : Hostrial : Cobiol-Staret
	CoCr Sheftner		Dutation; Sn21Him	Outrion: \$421His
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Berlin, Dermany	😑 17-4ph	CoCr Sheftser	2Build V1.02.22 Last 0CODE Denerated : CoOr-Far-Dompo	Lest Update : 22.01.22
Cault Arafut B.	CoCr Sheftner     Strategie : CoCrt ( e166098-e12a-476e-b3be-do22e1591		164-du22e83d166d)	



## 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.

