



ONE CLICK METAL

made with mind

„Einfachheit ist die höchste Stufe der Vollendung“

Leonardo da Vinci

One Click Metal

Empowering great minds in Metal AM.



Vision

Metal AM technology understandable to everyone and available with one click.



Mission

Our solutions simplify the use of metal AM technology so that everyone can understand and successfully use it - empowering great minds.



Founded **2019**, available **since 2022**, with already **150+** **machines** in the field.



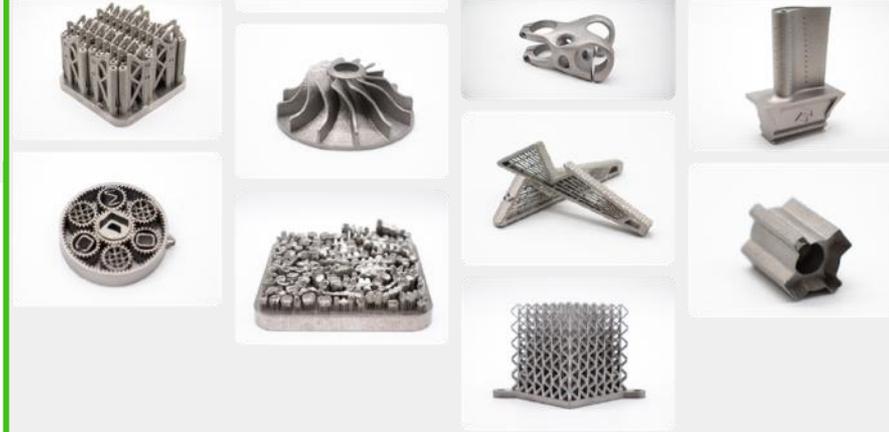
Production of One Click Metal machines at the INDEX manufacturing facility, one of the largest manufacturer of CNC turning machines.



Many years of qualified technical expertise from the world market leader TRUMPF in the field of mechanical engineering and laser technology.



T a m m (near Stuttgart, Germany)

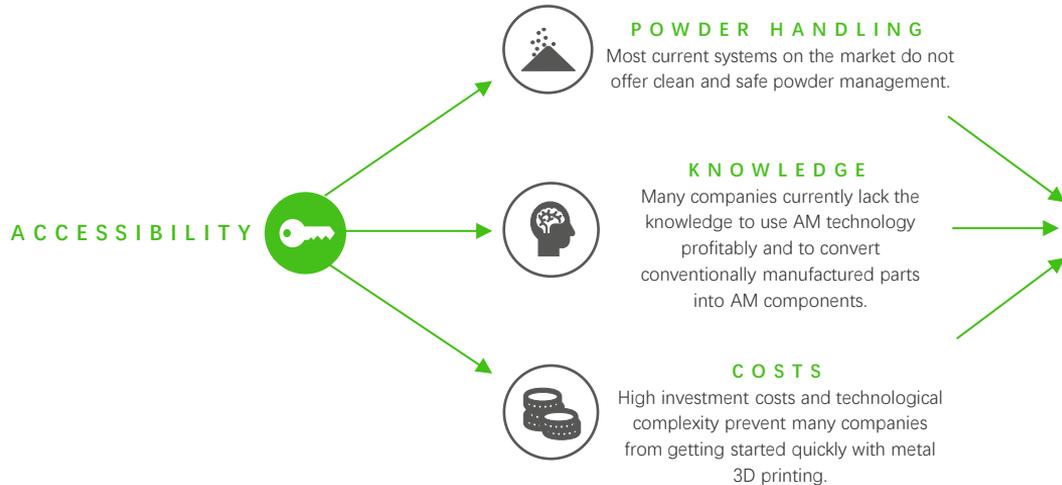


Global presence with strong partners in > 20 countries



How we empower users of metal AM technologies

Entry barriers for users in metal AM:



The metal AM process chain (LPBF)

Easy entry thanks to an integrated solution for the user



The new One Click Metal PROline

500W

laser power

**Self-cleaning
filter**

up to 500h
without
interaction



**Vacuum
conveying**

fast powder
removal

MPRINTpro

MPUREpro

BASEline and PROline

The Metal 3D Printing System Solutions from One Click Metal

PROline



MPRINTpro

- High productivity with powerful 500W laser
- Scalable serial production with interchangeable modules
- Lower run time costs through self-cleaning filter



MPUREpro

- High productivity and safety through automatic sieving, with clean powder handling in cartridges
- Safe and ergonomic unpacking with generously designed glove box and customizable tool holder
- Fast unpacking of large volumes via vacuum conveying for seamless transfer to the sieving station

BASEline



MPRINT

- Rapid prototyping supported by robust easy-to-use design
- Low-risk entry into metal 3D printing through affordable technology
- Small batch and small part production with in-parallel unpacking and sieving



MPURE

- High productivity and safety through automatic sieving, with clean powder handling in cartridges
- Safe and ergonomic unpacking with generously designed glove box
- Effortless powder collection for seamless transfer to the sieving station via cartridges



MPURElite

- High productivity and safety through automatic sieving, with clean powder handling in cartridges
- Ultrasonic sieve perfectly recycles powder for next build job

MPRINTpro: Metal 3D Printer

Technical Data

Recommended with	MPURE, MPUREpro, MPURElite
	Standard/Heating/Extended Module
Process chamber	
Build size	150 x 150 x 150 mm Optional 150 x 150 x 250 mm*
Laser	500 W fiber laser
Layer height	20 - 120 µm
Focus diameter	80 µm
Powder supply	5 supply cartridges
Connection & Consumption	
Power supply	220 - 240 V / 50 - 60 Hz
Power backup	13,5 A
Inert Gas	Nitrogen / Argon
Filer type	Self-cleaning permanent filter
Dimensions & Weight	
Dimensions W x H x D	1,1 x 1,9 x 0,8 m
Weight	490 kg



*depending on build plate thickness and module cap use

MPUREpro: Sieving and Unpacking Station

Technical Data

Compatible with MPRINT, MPRINTpro, Interchangeable build Modules

Sieving technology Ultrasonic inert sieving

Connection & Consumption

Power supply 220 - 240 V / 50 - 60 Hz

Fuse protection 2 A

Inert Gas Nitrogen / Argon

Dimensions & Weight

Dimensions W x H x D 1,1 x 1,9 x 0,8 m

Weight 350kg



Produktivitätsvergleich auf Basis der Schalldämpferproduktion

Detaillierter Vergleich in Bezug auf Schichtstärke (MPRINTpro)

Pulver	Anwendung	Schicht-höhe	Zeit	Kosten pro Teil
Ti64 Maschine: MPRINTpro	Suppressor 250mm (5x) 	90 µm	24,6h	327,41 EUR
		30 µm	138,8 h	538,42 EUR
	Suppressor 150mm (16x) 	90 µm	17h	72,34 EUR
		30 µm	111,6 h	124,86 EUR

➤ 5,7x schneller

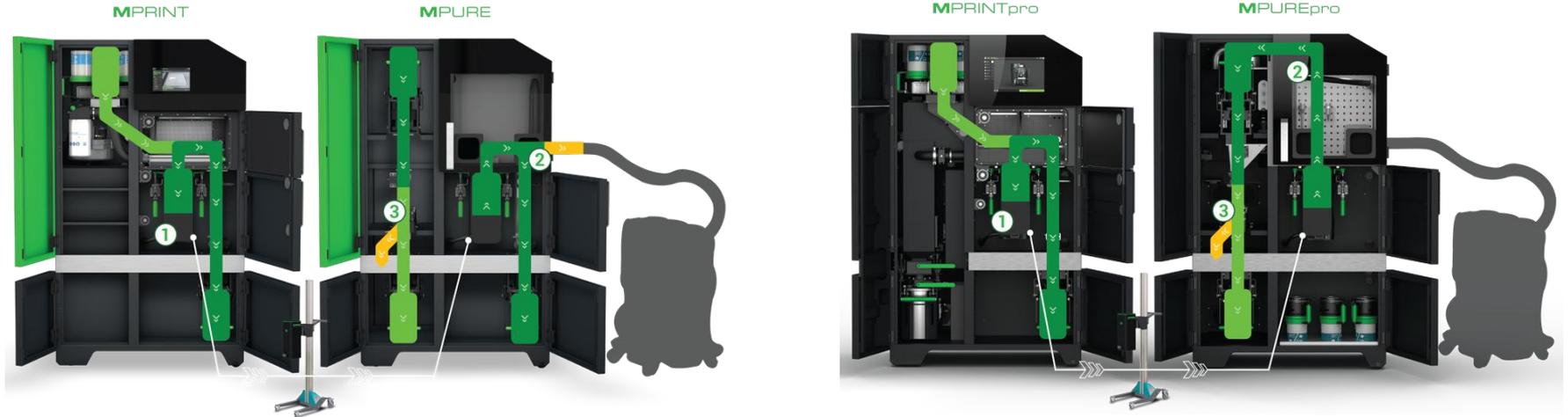
➤ 40% Kostenersparnis

➤ 6,5x schneller

➤ 41% Kostenersparnis

Pulvermanagement

Vergleich **BASE-** & **PRO**line



Weniger manuelle Operationen, schnellere Prozesse
Sicheres und sauberes Pulverhandling bei **BASE-** und **PRO**line gegeben

Modules PROline

Various Build Modules Can Be Used To Enable Additional Applications



Material Portfolio



Sukzessiver Ausbau des Parameterportfolios, besonders hinsichtlich hochproduktiver Parameter für die **MPRINTPro**

Vielen Dank!

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