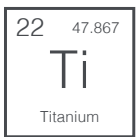


# SBI - solutions by innovation

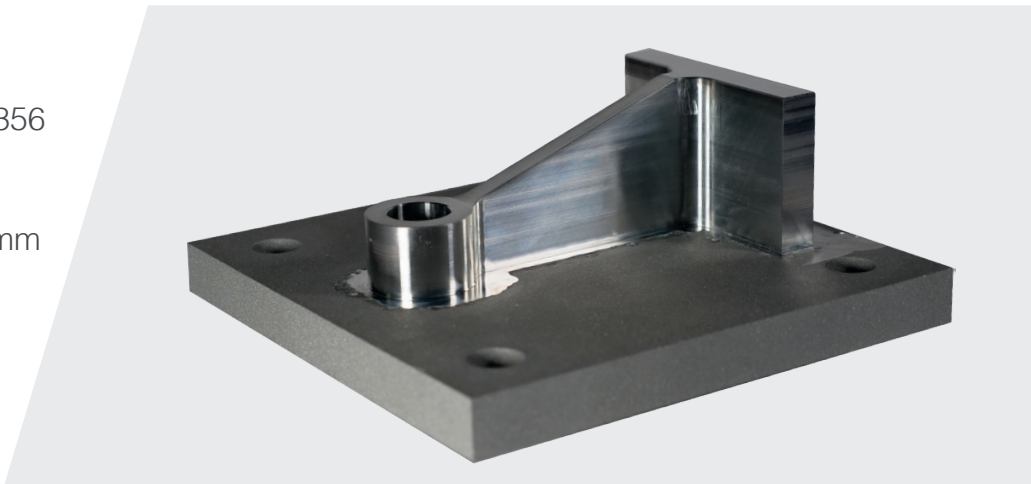
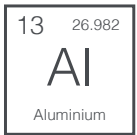
Founded in 1999, SBI is a high-tech manufacturer of welding power sources and complete welding automation systems.  
In 2016 we combined those two competences and started our engagement in Metal Additive Manufacturing - M3DP.

## SAMPLE PARTS

Titanium part:  
Material: Ti-6Al-4V  
Height: 60mm  
Wall thickness: 13mm  
Dimensions X\*Y: 350\*150mm



Aluminium part:  
Material: Aluminium alloy 5356  
Height: 60mm  
Wall thickness: 8–15mm  
Dimensions: X\*Y: 170\*120mm

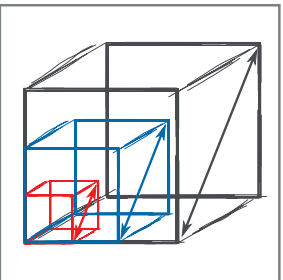


# Technical Specifications

Specifications	
Deposition rate	0.5–10kg/h
Processable materials	Titanium, Aluminium, Steel, Invar, Nickel-base alloys, Copper, ...
Build volume	up to 2000x600x600mm (X-Y-Z)
Layer height	0.7–3mm
Min. layer width	3mm
Machine dimensions	4500x2500x3500mm (X-Y-Z)

## Quality Management

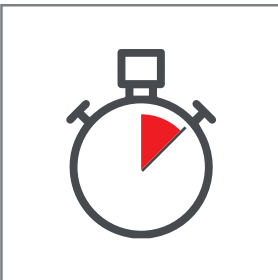
- Adaptive geometry control
- Interpass temperature
- Data logging of process parameters
- Camera recording



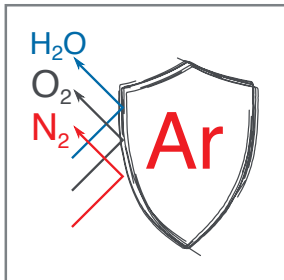
Scaleable  
build volume  
tailored for your  
demands



Economical  
processing  
for optimal  
buy-to-fly ratio



time saving and  
application orien-  
ted manufacturing,  
less machining



Argon (inert gas)  
protection cell for  
oxygen sensitive  
materials



M3DP

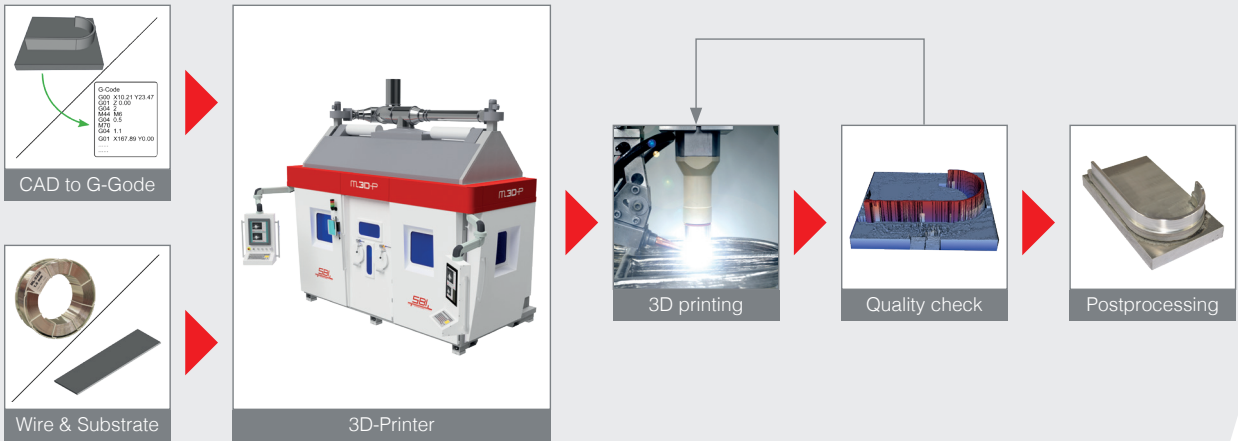
# METALLIC 3D PRINTING for Serial Production

## Additive Manufacturing for Metals

The innovative way to manufacture large metallic parts in near-net-shape fabrication



# M3DP-Process

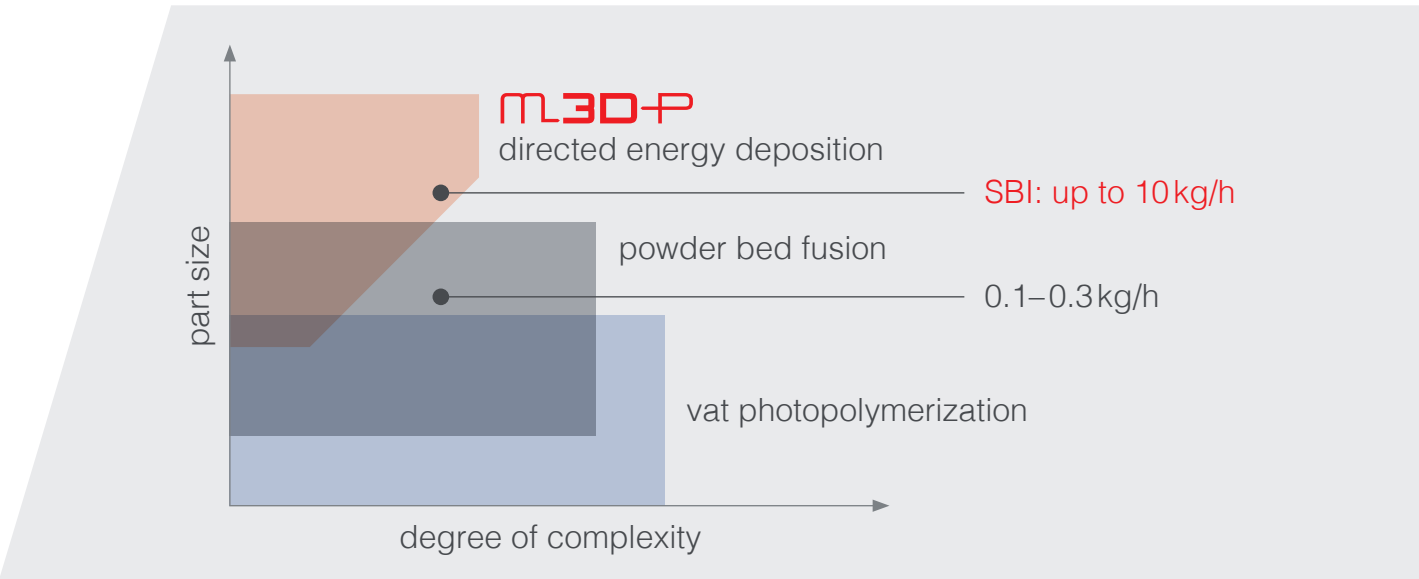


Excellent combination of plasma and material know-how by collaboration with strong partners

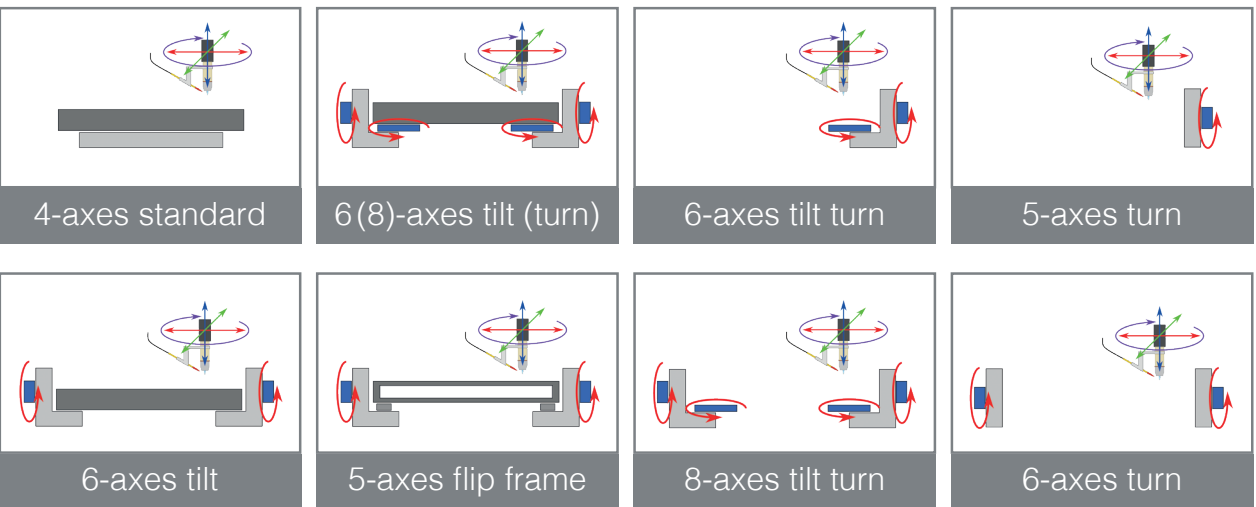


**RHP TECHNOLOGY** application examples above courtesy of our material partners.

# Highest Deposition Rate



Standard product, adaptable to your needs



# Compact Machine - Customizable Configurations

