M3DP SL

M3DP **S**cientific **L**ine METALLIC 3D PRINTING

for research, education and manufacturing

PRINTABLE MATERIALS

13 26.981 Al Aluminium +alloys	22 47.867 Ti Titanium +alloys	24 51.996 Cr Chrome +alloys
26 55.845 Fe Iron +alloys	27 55.933 Co Cobalt +alloys	28 58.693 Ni Nickel +alloys

FAST AND EFFICIENT

powder & multi-wire feeding
multi-matierial processing

easy to program and operate
multiple options and extensions available

m3dp.sbi.at

Technical Specifications

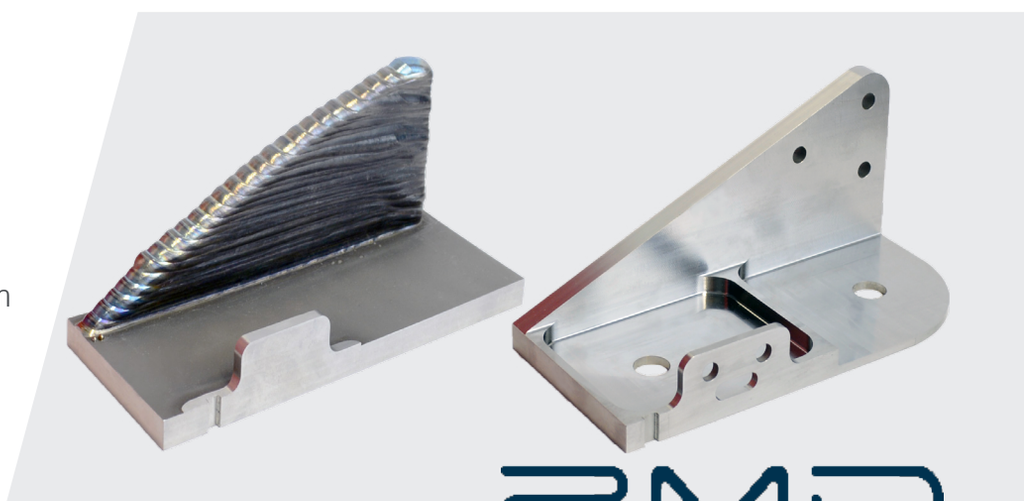
Specifications	
Print Volume (options)	Ø 400mm x Z 500mm max. 200kg 450 x 450 x 500mm (X-Y-Z) max. 250kg
Deposition rate	0.5 – 10 kg/h
Layer thickness	0.7 – 3 mm
Min. layer width	3 mm
Machine dimensions	2300 x 1400 x 2500 mm (X-Y-Z)
Machine weight	1900 kg

The Process

The M3DP scientific line is for those who want to get started with metal AM (additive manufacturing). It is suitable for research projects, prototyping and education with wire- and/or powder-based metal additive manufacturing. While offering the same plasma welding and printing technology like its bigger brother, our industrial size AM machine M3DP, the M3DP-SL is a more compact machine with moderate investment. It processes all relevant metals like steel and Aluminium alloys and is also capable to process Titanium due to its airtight welding chamber.

SAMPLE PART
TITANIUM BRACKET

Material: Ti-6Al-4V
Height: 60 mm
Wall thickness: 9 mm
Dimensions X*Y: 170*100 mm



22 47.867
Ti
Titanium

PMD
PLASMA METAL DEPOSITION