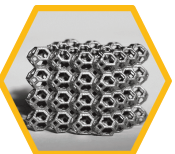
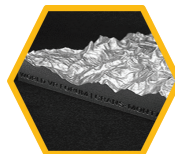


ADDITIVE MANUFACTURING METAL

DMLS

FUSION LASER

MATERIALS		Chrome Cobalt	Inconel 718	Stainless steel PH1	Titanium	Stainless steel 316L	Aluminium		Maraging MS1
							AS7G	AS10G	
PROPERTIES	MEDICAL, FOOD CONTACT	+++			+++	+			
	MECHANICAL PROPERTIES	+++	++	++	++	+	+ After heat treatment aging		+++
	CORROSION RESISTANT	+++	+++	+	+++	++	+++ After anodizing	++	
	HEAT RESISTANCE	++++	+++	++		+			+
	MAGNETIC	X	X	O	X	X	X	X	O
AVAILABLE VOLUME		250 x 250 x 180 mm	400 x 400 x 350 mm	250 x 250 x 180 mm	250 x 250 x 280 mm				400 x 400 x 350 mm
APPLICATIONS		Supports, Adapters, Prostheses 	Engine components, Turbine parts 	Fasteners, Outdoor parts 	Jewelry components, Implants, Prostheses 	Jewelry, Medical 	Marine components, Exchangers 	Tools, Mechanical parts 	
LAYER THICKNESS		20 and 40 µm	20 µm	20 and 40 µm	30 and 60 µm	20 and 40 µm	30 and 60 µm	40 µm	
DENSITY		8,29	8,15	7,8	4,4	7,9	2,7	8	
ADVANTAGES		Sterilizable	Stainless	Mechanical characteristics	Light	Anti-corrosion	Light	High hardness	
LIMITS		Risk of deformation	Medical Food contact	Corrosion Medical Food contact	Temperature control	Temperature control Mechanical characteristics	Medical / Food contact Mechanical characteristics Temperature resistance	Corrosion Medical Food contact	

Non-contractual document - Values given as an indication.