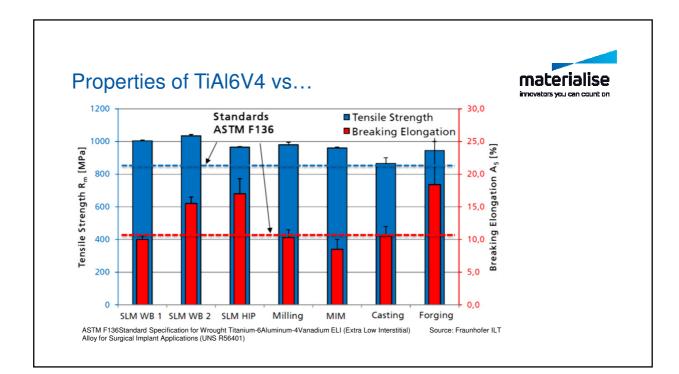




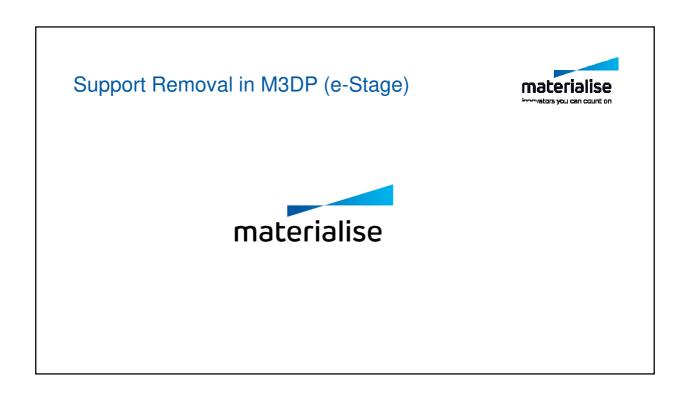
Mechanical Properties TiA	16V4
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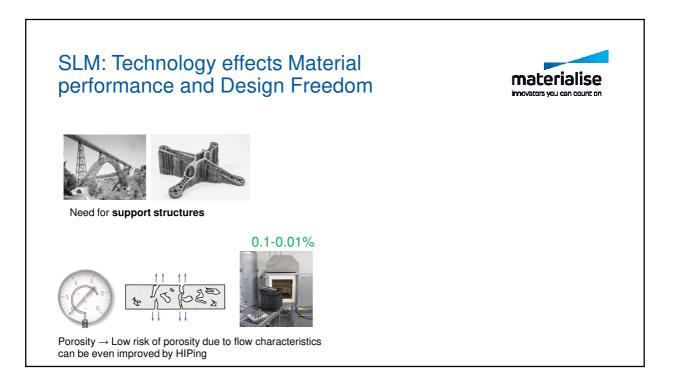


TiAl6V4 Properties	Unit	After heat treatment
Tensile strength	Мра	min. 930
Yield strength (Rp 0.2%)	Мра	min. 860
Elongation at break	%	14 ± 1
Young's modulus	GPa	114 ± 10
Impact strength	J	11 ± 4
Hardness	HV5	320 ± 12
Relative density	%	> 99.5
Density	g/cm ³	4.41
		Source: EOS & Materialise

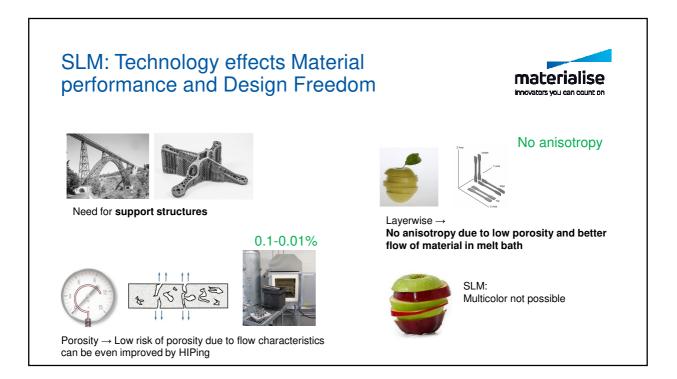


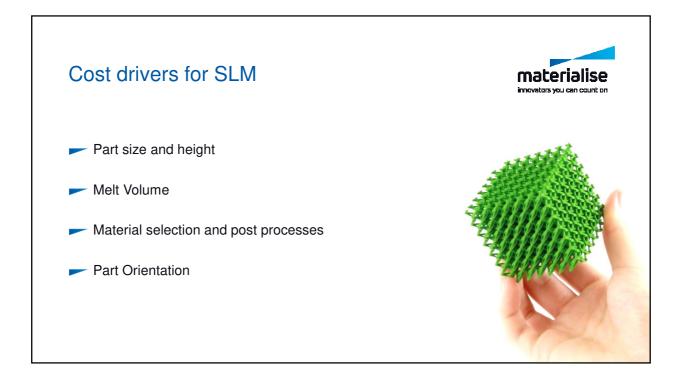


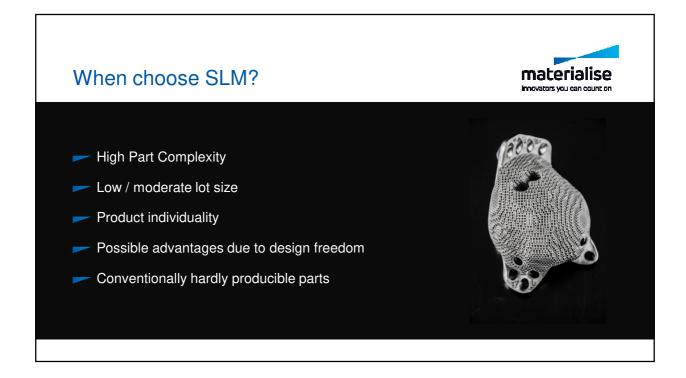




ONEL 718	rties: no	load, static	: & dynami		erialis you can count
AlSi10Mg	units	no loads	static loads	dynamic loads	
Density	g/cm³	>2,60	>2,65	>2,67	
Tensile Strenght	MPa	250 -330	300 -350	335 - 380	
Yield Strength	MPa	180 - 220	190 -240	200 - 240	
Elongation at Break	%	1,0 - 4,0	2,0 -5,0	2,5 - 6,0	
		hig	her performanc	e	







1/23/2019

