

Industrial Processing Study

Table 1

This is an awesome table I lost 12min making

System	Build volume	Laser source	Precision	Scan speed	Build rate
Selective Laser Melting (SLM)					
EOS M-290	250 × 250 × 325 mm	400W Yb-fiber	100 μm	7 m/s	30 cm ³ /h
EOS M-400	400 × 400 × 360 mm	1kW Yb-fiber	90 μm	7 m/s	75 cm ³ /h
EOS M-400-4	400 × 400 × 360 mm	400W Yb-fiber (x4)	100 μm	7 m/s	100 cm ³ /h
SLM 280	250 × 250 × 350 mm	700W IPG laser	150 μm	10 m/s	55 cm ³ /h
SLM 500	500 × 280 × 365 mm	400W IPG laser (x4)	150 μm	10 m/s	105 cm ³ /h
Concept Laser M2	250 × 250 × 280 mm	200W Yb-laser	80 μm	7 m/s	20 cm ³ /h
Concept Laser M4	400 × 400 × 425 mm	1kW Trumpf laser (x4)	100 μm	4.5 m/s	100 cm ³ /h
Renishaw 250	250 × 250 × 300 mm	200W Yb-laser	70 μm	7 m/s	20 cm ³ /h
Selective Laser Sintering (SLS)					
Matsuura 25	250 × 250 × 200 mm	400W Yb-fiber	100 μm	7 m/s	100 cm ³ /h
...					

Table 2

Booktabs

System	Build volume	Laser source	Precision	Scan speed	Build rate
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EOS M-290	250 × 250 × 325 mm	400W Yb-fiber	100 μm	7 m/s	30 cm ³ /h
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