

## Technical Specifications

MACHINE	GLADIUS			OPTIMUS			MAXIMUS		
Max. Sheet Size	1000x2000 mm			1250x2500 mm			1500x3000 mm		
Max. Sheet Weight	100 kg			150 kg			300 kg		
X-axis Travel	2050 mm			2550 mm			3050 mm		
Y-axis Travel	1050 mm			1300 mm			1550 mm		
Z-axis Travel	100 mm			100 mm			150 mm		
<b>MAX. POSITIONING SPEED</b>									
X, Y-axis	80 m/min			80 m/min			80 m/min		
Z-axis	30 m/min			30 m/min			30 m/min		
Repetitive Accuracy	±0,025 mm			±0,025 mm			±0,025 mm		
Positioning Accuracy	±0,05 mm/m			±0,05 mm/m			±0,05 mm/m		
<b>LASER</b>									
Type	YLR			YLR			YLS		
Laser Power (±2%)	500W	1000W	1500W	500W	1000W	1500W	1000W	1500W	2000W
Output power tuning range	10÷100%			10÷100%			10÷100%		
Output stability	±1%			±1%			±1%		
Wave Length	1080nm			1080nm			1080nm		
Output Power Modulation Rate	5kHz			5kHz			5kHz		
Cooling system	air	water	water	air	water	water	water	water	water
<b>CUTTING HEAD</b>	LightCutting / Procutter			LightCutting / Procutter			LightCutting / Procutter		
<b>FILTRATION SYSTEM</b>	yes*	yes*	yes*	yes*	yes*	yes*	no*	no*	no*
Power supply	3PH 360-420V/3P+PE+N **			3PH 360-420V/3P+PE+N **			3PH 360-420V/3P+PE+N **		
Power consumption machine	8 kW	10 kW	12 kW	8 kW	10 kW	12 kW	10 kW	16 kW	19 kW
<b>MATERIAL CAPACITIES</b>	500W	1000W	1500W	500W	1000W	1500W	1000W	1500W	2000W
Steel	5 mm	8 (10) mm	10 (12) mm	5 mm	8 (10) mm	10 (12) mm	8 (10) mm	10 (12) mm	12 (15) mm
Stainless steel	3 mm	4 mm	5 mm	3 mm	4 mm	5 mm	4 mm	5 mm	5 (6) mm
Aluminium	1 mm	3 mm	3,5 mm	1 mm	3 mm	3,5 mm	3 mm	3,5 mm	5 mm
<b>MACHINE DIMENSIONS</b>									
Length	3050 mm			3550 mm			8500 mm		
Width	2300 mm			2300 mm			2800 mm		
Height	2100 mm			2100 mm			2100 mm		
Weight	3000 kg			4000 kg			7000 kg		

Certificates 

\* Fume extractor

\*\* Option power supply 3PH 200-240V/3P+PE+N

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