

LASER CUTTING MATERIALS COMPARISON- DESIGN GUIDELINES

Our Laser Cutting materials are available in European and American catalog, however, you can order from either one, it will only affect the shipping costs.

		THICKNESS	COLORS	KERF	MINIMUM DISTANCE BETWEEN CUTTING LINES	MINIMUM DIMENSIONS	MAXIMUM DIMENSIONS	ASSEMBLY
Acrylic & Mirrored Acrylic	EU	1 mm		0.07 mm (0.12 mm Clear)	1 mm	15 x 15 mm	940 x 590 mm	Yes
		3 mm		0.105 mm	3 mm			
		5 mm		0.17 mm	5 mm			
		8 mm		0.20 mm	8 mm			
		10 mm		0.215 mm	10 mm			
	US	1/8 in		0.0039 in	1/8 in	0.59 x 0.59 in	32 x 18 in	Yes
		1/16 in		0.009 in	1/16 in			
Plywood	EU	2 mm		0.2 mm	2 mm	15 x 15 mm		Yes
		3 mm		0.125 mm 0.115 mm	3 mm			
		5 mm		0.135 mm 0.125 mm	5 mm			
	US	1/8 in		0.0015 in	1/8 in	0.59 x 0.59 in	32 x 18 in	Yes
		1/8 in		0.0066 in	1/8 in			
MDF	EU	2 mm		0.2 mm	2 mm	15 x 15 mm	940 x 590 mm	Yes
		3 mm		0.08 mm	3 mm			
		6 mm		0.145 mm	6 mm			
		8 mm		0.19 mm	8 mm			
US	10 mm		0.205 mm	10 mm				
		1/8 in		0.0015 in	1/8 in	0.59 x 0.59 in	32 x 18 in	Yes
Cardboard	EU	0.7 mm		0.075 mm	1 mm	15 x 15 mm		Yes
		1 mm		0.075 mm	1 mm			
		2 mm		0.075 mm	2 mm			
		2.8 mm		0.075 mm	3 mm			
		6.7 mm		0.075 mm	7 mm			
POM	EU	0.065 mm		0.065 mm	2 mm	15 x 15 mm	480 x 940 mm	Yes
		0.075 mm		0.075 mm	3 mm			
		0.075 mm		0.075 mm	5 mm			
	US	1/8 in		0.00393 in	1/8 in	0.59 x 0.59 in	37 x 18.89 in	Yes