

CNC FIBER LASER CUTTER 5'X10'



From one of the biggest laser cutter manufacturers in the world for the first time in the industry, introducing performance/price that has never been achieved before.



PERFORMANCE

- Recommended for the sign industry 3000W or 4000W or 6000W
- High speed and accuracy
- Shuttle table for loading and unloading
- Fully enclosed working area FDA certified
- Aluminum cutting with the assistance of dry compressed air rather than nitrogen
- Include all the components: laser source, water cooling, dust/fume collector, regulator, and UL transformer
- Control Software • Installation, training, and support from US-based factory technicians

PRICE

- Include two years comprehensive warranty
- Shipping, installation, and training at your place by certified factory North American technicians
- One year consumable parts
- Optional air compressor

CUTTING MATERIALS

Carbon steel, stainless steel, aluminum alloy, brass, copper, galvanized steel, silicon steel sheet, electrolytic sheet, titanium alloy, manganese alloy, etc.

Cutting Thickness from 0.016" up to:

MATERIAL	1000W	1500W	2000W	3000W	4000W	6000W
Carbon steel	0.5"	0.62"	0.7"	0.8"	1.0"	1.0"
Stainless steel	0.2"	0.23"	0.3"	0.5"	0.5"	0.5"
Brass	0.11"	0.2"	0.23"	0.3"	0.3"	0.3"
Aluminum	0.11"	0.23"	0.3"	0.4"	0.5"	0.5"

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POWER		4000W	6000W	8000W
MATERIAL	THICKNESS	Speed m/min		
Carbon steel (Q235A)	1	33--43	35--44	40--50
	2	15--25	20--28.0	26--33
	3	7.0--12	13--17	15--19
	4	3.0--4.0	3.0--4.5	3.0--4.5
	5	2.7-3.6	3.0--4.2	3.0--4.2
	6	2.5--3.4	2.5--3.5	2.6--3.7
	8	2.0--3.0	2.2--3.2	2.3--3.5
	10	1.5--2.4	1.8-2.5	2--2.7
	12	1.2--1.8	1.2-2.0	1.2--2.1
	14	0.9--1.2	1.2--1.8	1.2--1.9
	16	0.8--1.0	0.8--1.3	0.8--1.5
	18	0.6--0.9	0.6--0.9	0.65--0.9
	20	0.5--0.8	0.5--0.8	0.6--0.9
	22	0.4--0.8	0.4--0.8	0.5--0.8
	25		0.3--0.55	0.3--0.7
30		0.3--0.55	0.3--0.7	

POWER		4000W	6000W	8000W
MATERIAL	THICKNESS	Speed m/min (in/min)		
Aluminum	1mm=0.040"	35--45	42--55	48--65
	2mm=0.080"	13--24	20--40	25--48
	3mm=0.118"	7.0--13	12--25	20--33
	4mm=0.157"	4.0--5.5	9.5--12	13--18
	5mm=0.19"	3.0--4.5	5.0--8.0	9.0--12
	6mm=0.23"	2.0--3.5	3.8--5.0	4.5--8.0
	8mm=0.31"	0.9--1.6	2.0--2.5	4.0--5.5
	10mm=0.39"	0.6--1.2	1.0--1.5	2.2--3.0
	12mm=0.47"	0.4--0.6	0.8--1.0	1.5--1.8
	16mm=0.62"	0.3--0.4	0.5--0.8 (19.6 to 31.5)	1.0--1.6
	20mm=0.78"		0.5--0.7 (19.6 to 27.5)	0.7--1.0
	25mm=0.98"		0.3--0.5 (11.8 to 19.6)	0.4--0.7
30mm=1.18"			0.3--0.6	

POWER		4000W	6000W	8000W
MATERIAL	THICKNESS	Speed m/min		
Stainless steel (201)	1	32--45	42--52	50--65
	2	16--28	20--33	30--40
	3	7.5--15	15--22	18--27
	4	5.0--8.0	10--15	12--16
	5	3.5--5.0	8.0--12	10--15
	6	2.5--4.5	4.8--8.0	6.0--10.0
	8	1.2--2.0	3.0--4.0	3.5--5.0
	10	0.8--1.2	1.6--2.5	2.0--2.7
	12	0.5--0.8	0.8--1.5	1.2--2.0
	14	0.4--0.6	0.6--0.8	1.2--1.8
	20		0.3--0.5	0.4--0.7
	25		0.2--0.4	0.3--0.5
	30			0.2--0.4

POWER		4000W	6000W	8000W
MATERIAL	THICKNESS	Speed m/min		
Brass	1	25--35	35--45	40--55
	2	8.0--12	20--30	28--40
	3	5.0--8.0	12--18	20--30
	4	3.2--5.5	5.0--8.0	10--15
	5	2.0--3.0	4.5--6.0	6.0--9.0
	6	1.4--2.0	3.0--4.5	4.5--6.5
	8	0.7--1.2	1.6--2.2	2.4--4.0
	10	0.2--0.5	0.8--1.2	1.5--2.2
	12		0.3--0.5	0.8--1.2
	14		0.3--0.4	0.4--0.6
16			0.3--0.5	

• Information only, Ascent reserves the right to change specifications without notice.

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