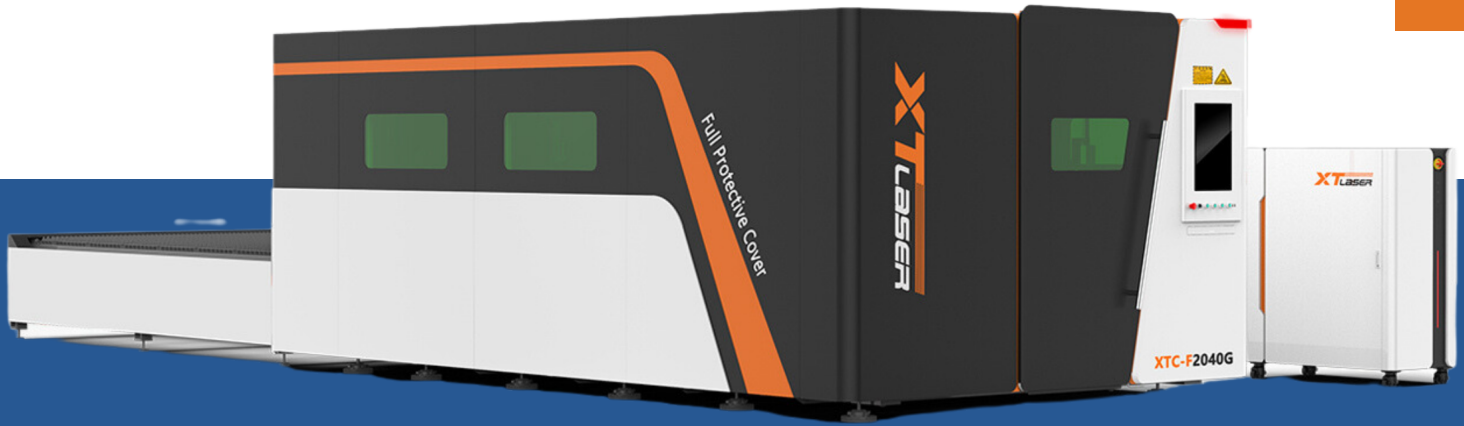




G SERIES

FULLY ENCLOSED FIBER LASER CUTTING MACHINE

G SERIES



FULL PROTECTION AND HUMANIZED DESIGN



Fully enclosed laser protective glass design, prevents the laser from harming people. Automatic dust collection system, the cutting dust is internally filtered and discharged under certain standard, making the process more eco-friendly and no pollution.

HIGH SPEED EXCHANGE TABLE



High-speed parallel exchange table design, dual working table exchange at the same time, stable and reliable transmission mode. Fast, shorten the exchange time, save the loading and unloading auxiliary time. Exchange motor controlled by frequency converter, can finish the table exchange within 15S.

- Strong Machine Bed**
- The Latest Extruded Aviation Aluminium Beam**
- Integrated Electric Cabinet**
- Intelligent CNC System**

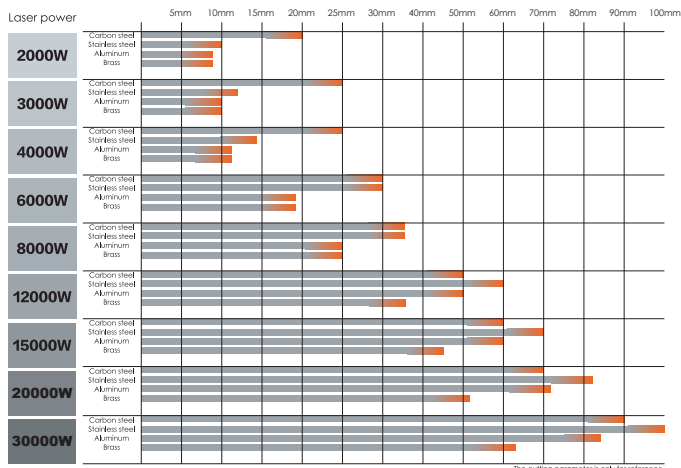
NEW CORE INTELLIGENT SYSTEM



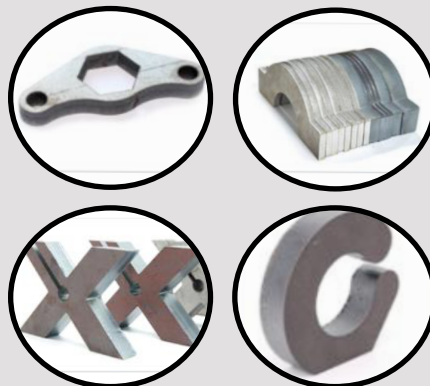
New generation of CNC system, more flexible in operation. Imported mature system and servo motors, integrated independently developed special laser cutting system.



CUTTING ABILITY REFERENCE TABLE



CUTTING SAMPLES



G SERIES

FULLY ENCLOSED FIBER LASER CUTTING MACHINE



TECHNICAL SPECIFICATIONS

MODEL	XT-G1530G	XT-G2040PRO	XT-G2060PRO	XT-G2560PRO
WORKING AREA	1503mmx3050mm	2030×4050mm	2030×6050mm	2530×6050mm
PALLET EXCHANGE TIME	25S	30S	35S	40S
MAX LINKAGE SPEED	140m/min	140m/min	140m/min	140m/min
MAX ACCELERATION	1.5G	1.5G	1.5G	1.5G
POSITIONAL ACCURACY	±0.03mm	±0.03mm	±0.03mm	±0.03mm
RE-POSITIONAL ACCURACY	±0.02mm	±0.02mm	±0.02mm	±0.02mm

Technical specifications are subject to change without prior notice.

LASER CUTTING PARAMETERS REFERENCE TABLE

Material	Thickness	2000W	3000W	4000W	6000W	8000W	12000W	15000W	20000W	30000W
		Cutting Speed (m/min)								
Carbon Steel (Oxygen)	1	24-30	30-40	33-43	35-44	40-50	60-75	60-80	65-85	70-90
	2	4.7-6.5	4.8-7.5	15-25	20-28.0	26-33	28-40	45-70	50-75	60-80
	3	3.0-4.8	3.3-5.0	7.0-12	13-17	15-19	18-30	38-50	45-65	50-75
	4	2.8-3.5	3.0-4.2	3.0-4.0	3.0-4.5	3.0-4.5	3.5-5.5	3.5-5.5	5-7.0	6.5-9.0
	5	2.2-3.0	2.6-3.5	2.7-3.6	3.0-4.2	3.0-4.2	3.3-4.8	3.3-4.8	5.3-6.5	6.5-10
	6	1.8-2.6	2.3-3.2	2.5-3.4	2.5-3.5	2.6-3.7	3.0-4.2	4.0-5.8	6.0-9.0	6.0-9.0
	8	1.2-1.8	1.8-2.6	2.0-3.0	2.2-3.2	2.3-3.5	2.5-3.5	2.5-3.5	3.5-4.7	5.0-8.0
	10	1.1-1.3	1.2-2.0	1.5-2.4	1.8-2.5	2-2.5	2.2-2.7	2.2-2.7	3.5-4.7	5.0-8.0
	12	0.9-1.2	1.0-1.6	1.2-1.8	1.2-2.0	1.2-2.1	1.2-2.1	1.2-2.1	2.0-4.0	4.0-7.3
	14	0.7-0.8	0.9-1.4	0.9-1.2	1.2-1.8	1.2-1.9	1.7-1.9	1.5-1.9	1.7-3.0	3.7-6.0
	18	0.4-0.6	0.6-0.8	0.6-0.9	0.8-0.9	0.8-1.5	1.0-1.8	1.6-2.2	1.5-2.3	3.3-5.0
	20	0.2-0.4	0.5-0.8	0.5-0.8	0.5-0.8	0.6-1.3	0.6-1.5	1.5-2.0	1.5-2.3	2.3-4.0
	25	--	0.2-0.5	0.3-0.5	0.3-0.5	0.3-0.7	0.5-1.1	0.8-1.5	1.0-1.5	2.0-3.5
	30	--	--	--	0.2-0.5	0.2-0.7	0.3-0.9	0.8-1.0	0.8-1.1	1.5-2.5
40	--	--	--	--	0.2-0.6	0.4-0.8	0.6-1.0	1.2-2.0	--	
50	--	--	--	--	--	0.2-0.6	0.5-0.8	0.8-1.7	--	
60	--	--	--	--	--	0.2-0.5	0.4-0.7	0.5-1.5	--	
70	--	--	--	--	--	--	0.3-0.5	0.4-0.7	--	
80	--	--	--	--	--	--	--	0.2-0.5	--	
90	--	--	--	--	--	--	--	--	0.2-0.4	
Stainless steel (Nitrogen)	1	24-36	30-35	32-45	42-52	50-65	60-72	70-85	72-100	80-105
	2	6-10	13-21	16-28	20-33	30-40	35-45	40-66	45-70	55-80
	3	2.2-3.5	6.0-10	7.0-15	15-22	18-27	20-30	35-45	38-50	45-70
	4	1.2-1.6	4.0-6.0	5.0-8.0	10-15	12-16	15-22	20-32	25-35	38-65
	5	0.6-0.75	3.0-5.0	3.5-5.0	8.0-12	10-15	10-18	12-15	20-30	30-63
	6	0.6-0.7	2.0-4.0	2.5-4.5	4.8-8.0	6.0-10.0	8-12	12-15	15.0-25.0	25-53
	8	0.5-0.6	1.5-2.0	1.2-2.0	3.0-4.0	3.5-5.0	5.0-7.5	8-12	8.0-12.0	20-45
	10	0.4-0.5	0.6-0.8	0.8-1.2	1.8-2.5	2.0-2.7	3.0-7.0	6.0-8.0	6.0-10.0	20-32
	12	--	0.4-0.6	0.5-0.8	0.8-1.5	1.2-2.0	2.5-3.9	4.0-5.5	4.0-6.0	15-25
	14	--	--	0.4-0.6	0.8-0.8	1.2-1.8	1.8-2.8	3.0-5.0	3.5-6.0	13-20
	18	--	--	--	0.4-0.6	0.8-1.2	1.2-1.8	1.2-2.0	1.2-2.2	8.0-12.0
	20	--	--	--	0.3-0.5	0.4-0.7	0.9-1.5	1.0-1.6	1.3-1.8	6.0-8.0
	25	--	--	--	0.2-0.4	0.3-0.5	0.6-1.7	0.8-0.8	0.6-1.2	4.0-5.5
	30	--	--	--	0.2-0.4	0.2-0.4	0.3-0.6	0.3-0.6	0.5-1.0	2.5-3.9
40	--	--	--	--	--	0.3-0.5	0.3-0.5	0.3-0.6	1.8-2.8	
50	--	--	--	--	--	0.3-0.4	0.2-0.4	0.2-0.5	1.3-1.8	
60	--	--	--	--	--	0.2-0.3	0.2-0.3	0.2-0.4	0.5-0.8	
70	--	--	--	--	--	0.2-0.3	0.2-0.35	0.2-0.4	--	
80	--	--	--	--	--	--	--	0.2-0.4	--	
90	--	--	--	--	--	--	--	--	0.2-0.3	

TECHNICAL SPECIFICATIONS

Material	Thickness	2000W	3000W	4000W	6000W	8000W	12000W	15000W	20000W	30000W
		Cutting Speed (m/min)								
Carbon Steel (Oxygen)	1	15-25	25-38	35-45	42-55	48-65	60-85	70-100	55-65	60-70
	2	7-10	10-18	13-24	20-40	25-48	38-50	40-55	33-45	55-65
	3	4.0-6.0	6.0-8.0	7.0-13	15-25	20-33	30-40	35-45	25-35	40-55
	4	2.0-3.0	3.5-5.0	4.0-6.5	9.5-12	13-18	20-30	30-40	15-25	38-50
	5	1.2-1.8	2.5-3.5	3.0-4.5	5.0-8.0	9.0-12	15-25	20-30	13-20	35-45
	6	0.7-1.0	1.5-2.5	2.0-3.5	3.8-5.0	4.5-8.0	10-15	15-24	9.0-12	25-35
	8	0.6-0.8	0.7-1.0	0.9-1.6	2.0-2.5	4.0-5.5	7.0-12	8.0-12.0	4.5-6.5	20-30
	10	--	0.4-0.7	0.6-1.2	1.0-1.5	2.2-3.0	4.5-8.0	6.0-10.0	2.8-4.0	15-24
	12	--	--	0.4-0.6	0.8-1.0	1.5-1.8	4.0-6.0	4.0-6.0	1.9-2.5	13-20
	16	--	--	--	0.5-0.8	1.0-1.6	1.5-2.5	2.0-3.0	1.5-2.0	10-15
	20	--	--	--	--	0.7-1.0	0.9-1.5	1.3-1.8	0.8-1.2	9.0-12
	30	--	--	--	--	--	0.3-0.8	0.5-1.0	0.3-0.7	6.0-10.0
	40	--	--	--	--	--	0.2-0.4	0.2-0.5	0.3-0.5	4.0-6.0
	50	--	--	--	--	--	0.1-0.2	0.3-0.7	0.2-0.4	2.0-3.0
60	--	--	--	--	--	--	0.2-0.5	0.2-0.3	1.3-1.8	
70	--	--	--	--	--	--	--	0.1-0.2	0.3-0.8	
80	--	--	--	--	--	--	--	--	0.2-0.3	
Aluminum (Nitrogen)	1	10-16	20-35	25-35	35-45	40-65	50-80	55-65	75-85	78-88
	2	5.0-6.0	6.0-10	8.0-12	20-30	28-40	33-40	38-50	40-55	55-65
	3	2.5-4.0	4.0-6.0	5.0-8.0	12-18	18-30	15-23	20-30	32-50	40-55
	4	2.0-3.0	3.0-5.0	3.2-5.5	5.0-8.0	10-15	10-16	15-20	27-35	38-50
	5	0.9-1.2	1.5-2.0	2.0-3.0	4.5-6.0	6.0-9.0	9.0-13	10-15	18-26	33-40
	6	0.4-0.7	1.0-1.8	1.4-2.0	3.0-4.5	4.5-6.5	7.0-9.0	6.0-8.0	10-18	20-30
	8	0.3-0.5	0.5-0.7	0.7-1.2	1.6-2.2	2.4-4.0	4.5-6.5	5.0-7.0	8.0-10.0	18-26
	10	--	0.3-0.5	0.5-1.0	0.8-1.2	1.5-2.2	2.4-4.0	4.5-6.5	5.0-7.0	10-15
	12	--	--	0.3-0.8	0.3-0.5	0.8-1.2	1.5-2.2	2.4-4.0	2.8-4.2	5.0-7.0
	14	--	--	--	0.3-0.4	0.4-0.6	0.6-1.2	0.8-1.5	1.0-1.8	2.4-4.0
	16	--	--	--	0.2-0.3	0.3-0.5	0.4-0.6	0.6-1.2	0.8-1.5	1.0-1.8
	18	--	--	--	--	0.3-0.4	0.3-0.5	0.4-0.6	0.6-0.8	0.8-1.5
	20	--	--	--	--	0.2-0.3	0.3-0.4	0.3-0.5	0.4-0.6	0.6-1.2
	30	--	--	--	--	--	--	0.2-0.4	0.3-0.4	0.4-0.6
40	--	--	--	--	--	--	--	0.1-0.3	0.2-0.3	
50	--	--	--	--	--	--	--	--	0.2-0.3	
60	--	--	--	--	--	--	--	--	0.1-0.3	
70	--	--	--	--	--	--	--	--	0.1-0.3	
80	--	--	--	--	--	--	--	--	0.1-0.2	
90	--	--	--	--	--	--	--	--	--	

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