



GP SERIES

HIGH POWER FIBER LASER CUTTING MACHINE

GP SERIES



AUTOMATIC LUBRICATION SYSTEM



Dual cameras, front and back partition monitoring, No dead corners in the processing area, Intuitive processing, remote alarm, safe operation

MONITORING SYSTEM



Dual cameras, front and back partition monitoring, No dead corners in the processing area, Intuitive processing, remote alarm, safe operation

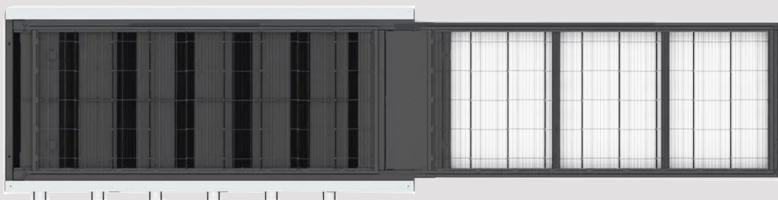
FULLY ENCLOSED DESIGN



Safety and environmental protection, international standard laser protective glass, Comply with CE certification standards, standard with dust removal system, Every detail shows zero pollution

PATENTED DESIGN SOLID MACHINE BED

XT LASER R&D department designs by ourselves, firm, steady and high-precision without vibration while cutting at high speed
Fast heat dissipation for much longer working life
Covered with anti-burning plate to prevent heat deformation



CUTTING ABILITY REFERENCE TABLE

Laser power	5mm	10mm	15mm	20mm	25mm	30mm	40mm	50mm	60mm	70mm	80mm	90mm	100mm
2000W	Carbon steel												
	Stainless steel	10mm											
	Aluminum		10mm										
	Brass			10mm									
3000W	Carbon steel												
	Stainless steel	10mm											
	Aluminum		10mm										
	Brass			10mm									
4000W	Carbon steel												
	Stainless steel	10mm											
	Aluminum		10mm										
	Brass			10mm									
6000W	Carbon steel												
	Stainless steel	10mm											
	Aluminum		10mm										
	Brass			10mm									
8000W	Carbon steel												
	Stainless steel	10mm											
	Aluminum		10mm										
	Brass			10mm									
12000W	Carbon steel												
	Stainless steel	10mm											
	Aluminum		10mm										
	Brass			10mm									
15000W	Carbon steel												
	Stainless steel	10mm											
	Aluminum		10mm										
	Brass			10mm									
20000W	Carbon steel												
	Stainless steel	10mm											
	Aluminum		10mm										
	Brass			10mm									
30000W	Carbon steel												
	Stainless steel	10mm											
	Aluminum		10mm										
	Brass			10mm									

The cutting parameter is only for reference.

CUTTING SAMPLES



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HIGH POWER FIBER LASER CUTTING MACHINE



TECHNICAL SPECIFICATIONS

MODEL	XT-G2040PRO	XT-G2060PRO	XT-G2560PRO	XT-G258PRO	XT-G2060PRO
WORKING AREA	2000×4050mm	2000×6050mm	2000×6050mm	2000×4050mm	2000×13000mm
PALLET EXHANGE TIME	20S	30S	20S	50S	70S
MAX LINKAGE SPEED	180m/min	180m/min	180m/min	180m/min	180m/min
MAX ACCELERATION	2.0G	2.0G	2.0G	2.0G	2.0G
POSITIONAL ACCURACY	±0.03mm	±0.03mm	±0.03mm	±0.03mm	±0.03mm
RE-POSITIONAL ACCURACY	±0.02mm	±0.02mm	±0.02mm	±0.02mm	±0.01mm

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	47~55	48~55	55~60	55~60	55~60	55~70	55~75	60~80	60~80
	3	3.0~3.8	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	4.0~7.0	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	3.5~4.8	3.5~4.8	5.0~6.5	6.5~10
	6	1.8~2.6	2.3~3.2	2.5~3.4	2.6~3.5	2.6~3.7	3.0~4.2	3.0~4.2	4.0~5.5	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	3.5~5.0	5.5~8.5
	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	1.6~1.9	17~30	3.7~6.0
	18	0.4~0.6	0.6~0.8	0.6~0.9	0.6~0.9	0.8~1.5	1.0~1.8	1.6~2.2	1.5~2.3	3~5.0
	20	0.2~0.4	0.5~0.8	0.5~0.8	0.6~1.3	0.6~1.5	0.6~1.5	1.0~2.0	1.5~2.3	2.3~4.0
	25	--	0.2~0.5	0.3~0.5	0.3~0.55	0.3~0.7	0.5~1.1	0.6~1.5	1.0~1.5	2.0~3.5
	30	--	--	--	0.2~0.5	0.2~0.7	0.3~0.9	0.6~1.0	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	1.5~2.5
	60	--	--	--	--	--	0.2~0.5	0.4~0.7	0.5~1.5	1.5~2.5
	70	--	--	--	--	--	--	0.3~0.5	0.4~0.7	1.5~2.5
	80	--	--	--	--	--	--	--	0.2~0.5	1.5~2.5
	90	--	--	--	--	--	--	--	--	1.5~2.5
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	2.2~2.5	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	0.4~0.75	3.0~5.0	3.5~5.0	8.0~12	10~15	10~18	18~25	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	15~25	25~53
	8	0.5~0.6	1.5~2.0	1.5~2.0	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	1.6~2.5	2.0~2.7	3.0~7.0	6.0~10.0	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	0.6~0.8	1.2~1.8	1.8~2.8	3.0~5.0	3.5~6.0	13~20
	16	--	--	--	0.4~0.6	0.6~1.2	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	0.6~0.7	0.9~0.8	0.9~1.2	4.0~5.5
	30	--	--	--	0.2~0.4	0.2~0.4	0.3~0.6	0.3~0.6	0.5~0.8	2.5~3.9
	40	--	--	--	--	0.3~0.5	0.3~0.5	0.3~0.6	1.8~2.8	1.5~2.5
	50	--	--	--	--	0.3~0.4	0.2~0.4	0.2~0.5	1.3~1.8	1.5~2.5
	60	--	--	--	--	0.2~0.3	0.2~0.3	0.2~0.4	0.5~0.8	0.5~1.5
	70	--	--	--	--	0.2~0.3	0.2~0.3	0.2~0.35	0.5~1.0	0.5~1.5
	80	--	--	--	--	--	0.2~0.3	0.2~0.3	0.2~0.4	0.5~1.0
	90	--	--	--	--	--	--	0.2~0.3	--	0.2~0.3

TECHNICAL SPECIFICATIONS										
Material	Thickness	2000W	3000W	4000W	6000W	8000W	12000W	15000W	20000W	30000W
		Cutting Speed (m/min)								
Aluminum (Nitrogen)	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	38~60	40~65	33~45	55~65
	3	4.0~6.0	6.5~8.0	7.0~13	15~25	20~33	30~40	35~45	25~35	40~55
	4	2.0~3.0	3.5~5.0	4.0~5.5	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	3.8~6.0	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	4.5~6.0	6.0~10.0	2.8~4.0	15~24
	12	--	0.4~0.6	0.6~1.0	0.8~1.0	4.0~6.0	4.0~6.0	4.0~6.0	1.0~1.5	13~20
	16	--	--	--	0.5~0.8	0.7~1.0	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
Brass (Nitrogen)	1	10~16	20~35	25~35	35~45	40~55	50~60	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	20~30	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	6.0~9.0	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
	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	0.3~0.4	0.4~0.6	0.6~1.2
	30	--	--	--	--	--	--	0.2~0.4	0.3~0.4	0.4~0.6
	35	--	--	--	--	--	--	0.1~0.3	0.2~0.3	0.3~0.4
	40	--	--	--	--	--	--	--	0.2~0.3	0.2~0.3
	45	--	--	--	--	--	--	--	0.1~0.3	0.1~0.3
	50	--	--	--	--	--	--	--	--	0.1~0.3
	60	--	--	--	--	--	--	--	--	0.1~0.3

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