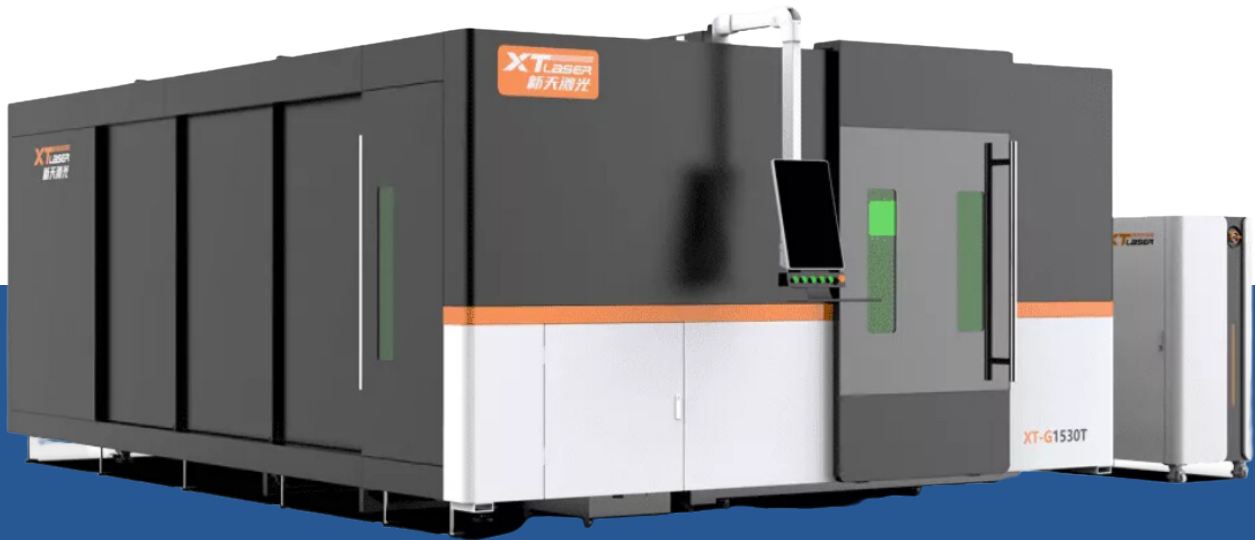




GT SERIES

FULLY ENCLOSED EXCHANGE TABLE TUBE
& PLATE FIBER LASER CUTTING 1500W-8000W

GT SERIES



HIGH STRENGTH PLATE WELDED MACHINE BED



Machine bed is welded by high-quality carbon steel plate against high tensile force, Relieve welding stress by high temperature annealing and natural aging, anti-deformation and more durable.

DOUBLE PNEUMATIC CHUCKS



2~3 times faster than traditional electric chucks
2 rows of rollers are adopted for a wide range of clamping and high cutting precision.
Dual support frame for 6m tube

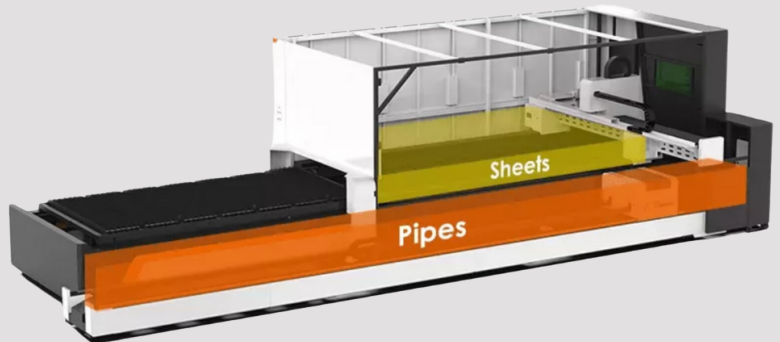
HIGH SPEED EXCHANGE TABLE



Exchange table use newest parallel technology, one-key switch is available in software, very convenient operation.

Table exchange will be finished within 20S of 1530 model, increasing working efficiency and saving labor cost hugely.

- ✓ One Machine with Two Function
- ✓ High Strength Plate Welded Machine Bed
- ✓ Double Pneumatic Chucks
- ✓ High Speed Exchange Table
- ✓ Visualization Control System



CUTTING ABILITY REFERENCE TABLE

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

The cutting parameter is only for reference.

CUTTING SAMPLES



GT SERIES

FULLY ENCLOSED EXCHANGE TABLE TUBE
& PLATE FIBER LASER CUTTING 1500W-8000W



TECHNICAL SPECIFICATIONS

MODEL	XT-G1530T	XT-G2040T	XT-G2060T	XT-G2560T
Cutting range	1500mmx3000mm	2000×4000mm	2000×6000mm	2500×6000mm
Laser power	100W-600W	100W-600W	100W-600W	100W-600W
Linkage speed	140m/min	140m/min	140m/min	140m/min
Acceleration	1.5G	1.5G	1.5G	1.5G
Clamping range	Ø 10-240mm	Ø 10-240mm	Ø 10-240mm	Ø 10-240mm
Processing Length of the pipe	3m/6.3m	3m/6.3m	3m/6.3m	3m/6.3m

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	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	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	4.0~5.5	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	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	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	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	0.3~0.8	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	0.3~0.55	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	0.6~1.0	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	
	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	55~90
	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	0.8~0.75	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	15.0~25.0	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	0.6~0.7	0.8~0.8	0.8~1.2	4.0~5.5
	30	—	—	—	0.2~0.4	0.3~0.6	0.3~0.6	0.5~1.0	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	0.2~0.4	0.2~0.4	0.5~0.8
	70	—	—	—	—	—	0.2~0.3	0.2~0.35	0.2~0.4	
	80	—	—	—	—	—	—	—	—	0.2~0.3
	90	—	—	—	—	—	—	—	—	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	20~38	30~45	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	6.5~8.0	7.0~13	15~25	20~33	30~40	35~45	25~35	40~55
	4	2.0~3.0	3.5~5.0	4.0~6.5	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	4.5~6.0	6.0~10.0	2.8~4.0	15~24
	12	—	—	0.4~0.6	0.8~1.0	1.5~1.8	4.0~5.0	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
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	18~25	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	18~25
	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
	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	0.3~0.4	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	—	—	—	—	—	—	—	—	0.1~0.2

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