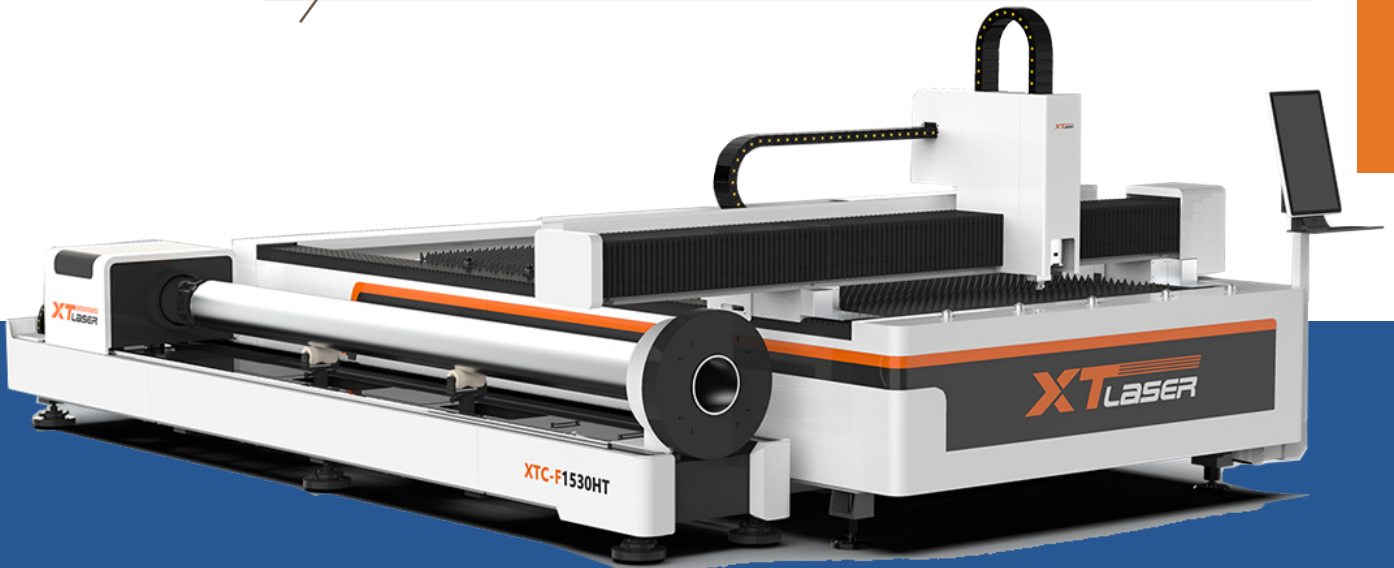




HT SERIES

SINGLE TABLE TUBE & PLATE
FIBER LASER CUTTING MACHINE 1000W-4000W

HT SERIES



INTELLIGENT CNC SYSTEM



Easy to operate even by green hands,
It support multiple graphic files
include DXF,
PLT, DWG, AI, G-code, IGS (tube cutting).
It is compatible with
other nesting software also.

DOUBLE PNEUMATIC CHUCKS



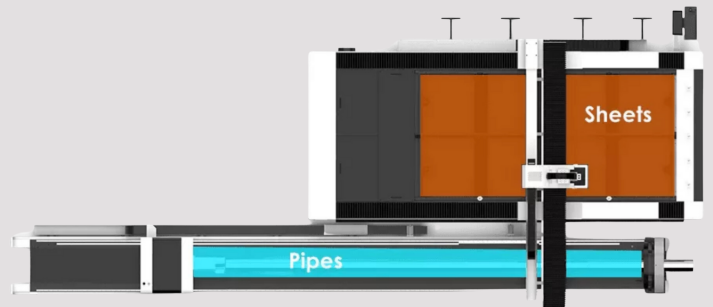
2~3 times faster than traditional
electric chucks 2 rows of rollers are
adopted for a wide range of
clamping and high cutting precision.

OPEN STRUCTURE, CONVENIENT LOADING & UNLOADING



Saving Space
Tube cutting and plate cutting
combined in one machine.
Not only help user save purchasing
cost 30%~50%, but also save 50% working space.

- ✓ One Machine with Two Function
- ✓ Intelligent CNC System
- ✓ Double Pneumatic Chucks
- ✓ Open Structure, Convenient Loading & Unloading
- ✓ One Machine with Two Functions



CUTTING ABILITY REFERENCE TABLE

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

The cutting parameter is only for reference.

CUTTING SAMPLES



HT SERIES

SINGLE TABLE TUBE & PLATE FIBER LASER CUTTING MACHINE 100W-400W



TECHNICAL SPECIFICATIONS

MODEL	XT-H1530T	XT-H1545T	XT-H2040T	XT-H2060T	XT-H2560T
CUTTING RANGE	1500X3000m	1500X4500m	2000X4000m	2000X6000m	2500X6000m
LASER POWER	1000W-3000mm	1000W-3000mm	1000W-3000mm	1000W-3000mm	1000W-3000mm
LINKAGE SPEED	120m/min	120m/min	120m/min	120m/min	120m/min
ACCELERATION	1.0G	1.0G	1.0G	1.0G	1.0G
CLAMPING RANGE	T1 60:10-160mm				T1 60:10-160mm
PROCESSING LENGTH OF THE PIPE			3m/6.3m		
MAX LOAD PIPE	T1 60:160 16KG/m				T1 240:300 30KG/m

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	1.6~2.6	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	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	16~27	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	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	1.6~2.5	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	0.6~0.8	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	0.9~1.2	4.0~5.5
	30	—	—	—	0.2~0.4	0.3~0.6	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	0.5~1.0
	80	—	—	—	—	—	—	—	0.2~0.3	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)								
Aluminum (Nitrogen)	1	15~25	25~38	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	6.0~8.0	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	4.5~6.0	6.0~10.0	2.8~4.0	15~24
	12	—	—	0.4~0.6	0.8~1.0	1.5~1.8	4.0~6.0	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
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	6.0~8.0	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
	16	—	—	—	—	0.2~0.3	0.3~0.5	0.4~0.6	0.6~1.2	0.8~1.5
	18	—	—	—	—	—	0.3~0.4	0.3~0.5	0.4~0.6	0.8~1.5
	20	—	—	—	—	—	0.2~0.3	0.3~0.4	0.3~0.5	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	—	—	—	—	—	—	—	—	0.1~0.2

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