

# TUBE LASER CUTTING MACHINES

# TWO CHUCKS SERIES

Parameters	R1R (1.5KW/3KW)	R2 (1.5KW/3KW/6KW)	R3R (3KW/6KW/12KW/20KW)	TS2 (3KW/6KW)	TS SERIES (3KW/6KW)
					
IN (manual load) & OUT	IN: 1 - 6.5m (7.1m) OUT: 2.5m	IN: 1-6.5m (7.3m) OUT: 3m	IN: 1-6.5m (7.3m) OUT: 3m	IN: 1-6.5m (7.1m) OUT: 3m	IN: 1-6.5m (7.1m) & 8m OUT: 3m & 4.5m
Tail Length	≥50mm	≥85mm			≥150mm - TS65/TS80 ≥220mm - TP65S/TP80S
Round Tube	Ø 8 - Ø 120mm	Ø 12 - Ø 240mm	Ø 20 - Ø 350mm	Ø 20 - Ø 240mm	Ø 12 - Ø 273mm
Square Tube	8*8 - 120*120mm	12*12 - 240*240mm	20*20 - 350*350mm	20*20 - 240*240mm	12*12 - 200*200mm
Open Steel Profile	2#(20*20mm) ≤Angle steel≤8#(80*80mm) 5#(50*37mm) ≤ C Steel≤8#(80*43mm) 5#(50*37mm)≤H Beam≤8#(80*50mm)	2#(20*20mm) ≤Angle steel≤20#(200*200mm) 5#(50*37mm) ≤ C steel≤20# (200*75mm) H Beam ≤12# (120x120mm)	5#(50*50mm)≤Angle steel≤25#(250*250mm) 5#(50*37mm)≤C steel≤32#(320x92mm) 5#(50*37mm)≤H Beam≤32#(320x134mm) 100*100mm≤HW Beam≤250x250mm	Cutting head F150: Angle steel≤20# (200x200mm), C steel≤20# (200x75mm), H Beams≤12#(120x120mm) Cutting Head F200: Angle steel≤20# (200x200mm)	Standard clamp: Angle steel≤8#(80x80mm), C steel ≤8#(80x43mm) Optional Clamp: Angle steel≤18#(180x180mm), C steel≤20#(180x70mm), H Beams≤18#(180x180)
Chuck rotation speed (r/min)	150	120	80	100	120
Non-load Speed (m/min)	150	120	80	100	120 - TS65/TS80 140 - TP65S/TP80S
Position Precision (mm/m)	±0.05mm/m			±0.03mm/m	
Re-Position Precision (mm)	±0.03mm				
Max. Acceleration (g)	1.5	1.2	0.8	1.0	1.2
Max. Loading Capacity (Single)	50kg (7.7kg/m)	500kg (46kg/min)	600kg (≤100kg/min)	200kg (31kg/min)	200kg (31kg/min) - TS65/TS80 200kg (25kg/min) - TP65S/TP80S
Total Power/ Current	25.5KW/51.5A (1500W) 33KW/63A (3000W)	31KW/62A (3000W) 46KW/92A (6000W)	45.8KW/91.6A (3000W) 60.8KW/121.6A (6000W)	31KW/62A (3000W) 38KW/76A (6000W)	40KW/81A (3000W) 51KW/101A (6000W)
Chuck Type	Pneumatic Chuck				Digital Chuck
Cutting Head	HSG				
Bevel Cutting Head	Bevel-R1R	Bevel-R2 2.0	-	-	HSG LA4 - Bevel Cut
CNC Control System	HSG-X	HSG-10000	HSG-X		HSG-X9000 HSG-X950 - TP65/80S
Nesting Software	HTN	TubeT Pro	TTN	TTN/HTN (standard) HSG Nest Tube Plus (optional)	TTN
Loader	Fully Automatic	Semi Automatic		Fully Automatic Semi Automatic	
Unloader	Follow-up				3m/4.5m Follow-up

# TUBE LASER CUTTING MACHINES

# THREE & FOUR CHUCKS SERIES

Parameters	T2 Series (3kW/6kW)	T3 Series(3kW/6kW)	TX3R-120120	TX12050 (6/12/20kW)	TL660-12 (6kW/12/20kW)	TL730-16 (6kW/12/20kW)
Chucks	3		3+1		4	
In & Out	In: 1 - 7m, 9m Out: 1 - 6m, 9m	In: 1- 9m,12m Out: 1 - 6m, 9m	In: 1 - 12m Out: 1-9m, 12m	In: 2.5 - 12m Out: 2.5 - 6m, 9m, 12m	In: 3-12m Out: 3-12m	In: 3-16m Out: 3-16m
Tail Length	0 mm (finish cut length ≥1400mm)		0 mm (finish cut length ≥1300mm)	0 mm (finish cut length ≥2500mm)	0 mm (finish cut length ≥3000mm)	0 mm (finish cut length ≥3000mm)
Process Size	Ø20 - Ø240mm □20 - □240mm L: 20 - 200mm C: 20 - 200mm H: 20 - 175mm	Ø20 - Ø350mm □20 - □350mm L: 20 - 300mm C: 20 - 300mm H: 20 - 250mm	Ø20 - Ø360mm □20*20 - □360*360mm 5#(50*50mm)≤L≤25#(250*250mm) 5#(50*37mm)≤C≤36#(360x100mm) 5#(50*37mm)≤H≤36#(360x140mm) 100*100mm≤HW≤300x300mm	Ø50 - Ø500mm □50 - □350mm L: 50 - 250mm C: 50 - 400mm H: 50 - 350mm	Ø80 - Ø660mm □80 - □450mm L: 80 - 400mm C: 80 - 400mm H: 80 - 400mm	Ø120 - Ø715mm □120 - □500mm L: 120 - 500mm C: 120 - 500mm H: 120 - 500mm
Chuck Rotation Speed (r/min)	100	80	60	40	30	
Chuck Non-load Speed (m/min)	100	80	80	60	50	
Position Precision (mm/m)	±0.03		±0.05		±0.1	
Re-Position Precision (mm)	±0.03		±0.05		±0.1	
Max. Acceleration (g)	1.0	0.8		0.3	0.2	
Max. Loading Capacity (Single)	7m: 300kg (43kg/m) 9m: 300kg (33kg/m)	9m: 600kg (67kg/m) 12m: 600kg (50kg/m)	1200KG (100kg/m)	1500KG (125kg/m)	3000KG (250kg/m)	4000kg (250kg/m)
Total Power/ Current	51KW/102A(3000W) 66KW/132A(6000W)	53KW/105A(3000W) 63KW/126A(6000W)	60KW/119A(6000W) 85KW/169A(12000W) 112KW/224A(20000W)	70KW/140A(6000W) 95KW/190A(12000W) 122KW/245A(20000W)	89KW/179A(6000W) 114KW/229A(12000W) 142KW/283A(20000W)	129KW/258A(6000W) 159KW/318A(12000W) 185KW/370A(20000W)
Chuck Type	Pneumatic Chuck					
Cutting Head	HSG					
Bevel Cutting Head	Bevel Head Package					
CNC Control System	HSG-X10000				HSG-X9800	HSG-X10000
Nesting Software	TubesT Pro				TTN	TubesT Pro
Loader	Fully Automatic Multi Pipe Semi Automatic Multi Pipe	Semi Automatic Multi Pipe			Semi Automatic Single Pipe	Semi Automatic Multi Pipe
Unloader	Follow-up Unloading Basket		Multi Pipe		Semi Automatic Single Pipe	Multi Pipe