

bodor

F1530

Fiber Laser Cutting Machine



TECHNICAL PARAMETER

Model	F1530
Working Area	1500*3000mm
Max. moving speed	100m/min
Positioning accuracy	0.03mm
Repeated positioning accuracy	0.02mm
Laser output power	500W/1000W/2000W/3000W
Min. line width	0.1mm
Continuous working time	24 hours

PARTS AND FUNCTION



Cutting Bed



Control Panel



Material Feeder



Chiller



WIFI Wireless Control



Switzerland RAYTOOLS Laser Head



Japan Yaskawa Servo Motor



Japan NSK Bearings



Japan SMC Pneumatic Components



France Schneider Electronic Component



France MOTOREDUCER



Laser Source



Automatic Lubricant

Cutting Thickness and Speed

Material	Thickness	500W	1000W	2000W	3000W	4000W	6000W	8000W
		Speed m/min	Speed m/min	Speed m/min	Speed m/min	Speed m/min	Speed m/min	Speed m/min
Carbon Steel	1	8-13	15-24	24-30	30-42	40-55	60-80	70-90
	2	3.0-4.5	5-7.5	5.5-8	7-9	8-10	9-12	10-13
	3	1.8-3.0	2.4-4	3.5-4.8	4-6.5	4.5-6.5	4-7	4-7
	4	1.3-1.5	2-2.4	2.8-3.5	3.5-4.5	4.0-5.0	4.2-5.5	4.7-5.5
	5	0.9-1.1	1.8-2	2.5-3	3-3.5	3.0-4.2	3.5-4.2	3.8-4.5
	6	0.6-0.9	1.4-1.6	1.8-2.6	2.5-3.2	3.0-3.5	3.0-4	3.3-4.2
	8		0.8-1.2	1.2-1.8	1.8-2.6	2.0-3.0	2.2-3.2	2.5-3.5
	10		0.6-1.0	1.1-1.3	1.4-2.0	1.5-2.5	1.8-2.5	2.2-2.7
	12		0.5-0.8	0.9-1.2	1.2-1.6	1.4-2	1.6-2	1.8-2.1
	14			0.7-0.8	0.9-1.4	1.0-1.6	1.5-1.8	1.7-1.9
	16			0.6-0.7	0.8-1.2	0.8-1.2	0.8-1.5	0.9-1.7
	18			0.4-0.6	0.7-1	0.8-1.1	0.9-1.2	0.9-1.2
	20				0.6-0.8	0.7-1	0.8-1.1	1.0-1.5
	22				0.4-0.6	0.6-0.8	0.7-0.9	0.8-1.0
25					0.3-0.5	0.4-0.6	0.5-0.7	
Stainless Steel	1	8-13	18-25	24-30	30-42	40-55	60-80	70-90
	2	2.4-5.0	7-12	10-17	18-21	20-30	30-42	40-55
	3	0.6-0.8	1.8-2.5	4-6.5	8-12	12-18	18-24	30-38
	4		1.2-1.3	3-4.5	6-9	8-8.8	10-18	18-24
	5		0.6-0.7	1.8-2.5	3.0-5.0	4-6.5	8-12	12-17
	6			1.2-2.0	3.0-4.3	4.0-6.5	6-9	8-14
	8			0.7-1	1.5-2.0	1.8-3.0	4-5	6-8
	10				0.8-1	0.8-1.5	1.8-2.5	3-5
	12				0-0.8	0.6-1.0	1.2-1.8	1.8-3
	16					0.5-0.8	0.6-0.8	1.2-1.8
	20						0.5-0.8	0.6-0.7
30							0.4-0.5	
Aluminum	1	4-4.5	6-10	20-25	25-40	40-55	55-65	80-90
	2	0.7-1.5	2.8-3.6	7-10	10-18	15-25	25-35	35-50
	3		0.7-1.5	4-6	7-10	10-15	13-18	21-30
	4			2-3	4-5.5	8-10	10-12	13-18
	5			1.2-1.8	3-4	5-7	6-10	9-12
	6			0.7-1	1.5-2.5	3.5-4	4-6	4.5-8
	8				0.7-1	1.5-2	2-3	4-6
	10					0.8-1	1-2.1	2.2-3
	12					0.6-0.8	0.8-1.4	1.5-2
	16						0.6-0.9	1-1.6
	20							0.6-0.9
Brass	1	4-5.5	6-10	14-16	25-35	35-45	50-60	70-85
	2	0.5-1.0	2.8-3.6	4.5-6.5	10-15	10-15	25-30	30-40
	3		0.5-1.0	2.5-3.5	5-8	7-10	12-18	15-24
	4			1.5-2	3.5-5.0	5-8	8-10	9-15
	5			1.4-1.6	2.5-3.2	3.5-5.0	6-7	7-9
	6				1.2-2.0	1.5-2.5	3.5-4.5	4.5-6.5
	8				0.7-0.9	0.8-1.5	1.6-2.2	2.4-4
	10					0.5-0.8	0.8-1.4	1.5-2.2
	12						0.6-0.8	0.8-0.5
16							0.6-0.8	

*Subject to change without prior notice.

