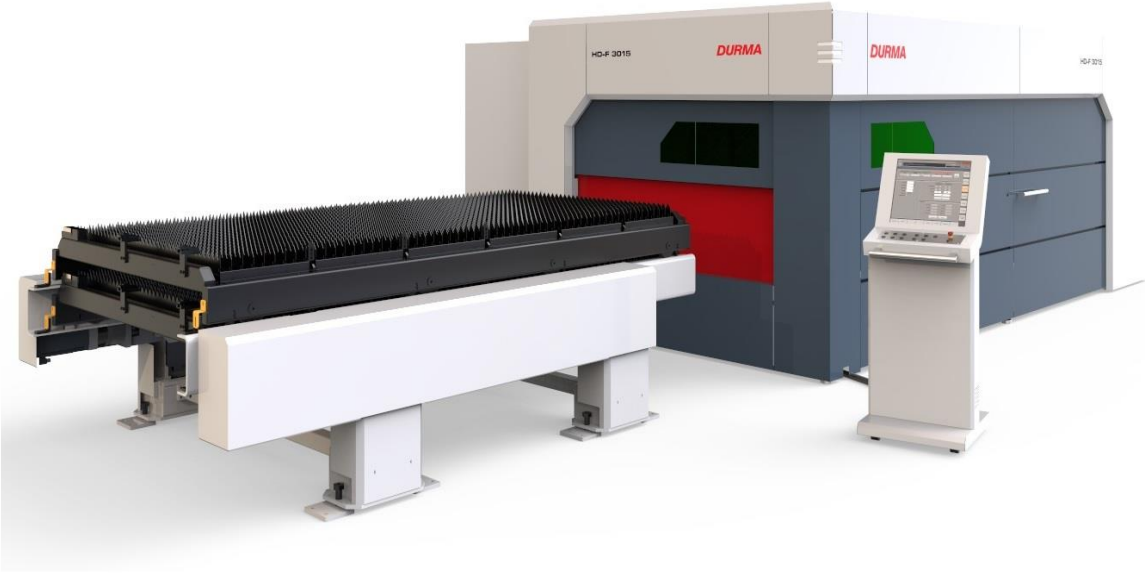


HD-F 3015 IV



TECHNICAL DATA		
Cutting Axes		
X Axis	3100	mm
Y Axis	1525	mm
Z Axis	160	mm
Max. Sheet Size	3048x1524	mm
Max. Sheet Weight Per Square Meter for One Table	320 (corresponds to 40mm sheet)	kg/m ²
Max. Total Sheet Weight for Double Table	1825(corresponds to 50mm sheet)	kg
Dynamics		
Max. Speed X-axis	120	m/min.
Max. Speed Y-axis	120	m/min.
Max. Speed Z-axis	35	m/min.
Max. Synchronous Speed (X-Y)	170	m/min.
Max. Synchronous Acceleration	28	m/s ²
Positional Accuracy	± 0,03	mm
Repeatability	± 0,03	mm
Table Change Time	19	sec.
Edge Dedection Accuracy*	± 1	mm
Control Unit		
CNC	SINUMERIK; 840D SL; NCU 720.3PN	
PC: PCU50.3	19" Touch panel	
Laser Cutting Head		
Type	Procutter/Zoom Head(option for 6-8-10 kW)	
Focus Length	150 / 200(option for 8-10 kW) / 200(std. for 12-15-20 kW)	
Focus	Automatic	
Filter**		
Capacity	2500	m ³ /h
Power	4	kw
Chiller		
Chiller for 2 kw	LC71	
Chiller for 3 kw	LC170	
Chiller for 4 kw	LC170	
Chiller for 6 kw	LC170	
Chiller for 8 kw	LC340	
Chiller for 10 kw - 12 kw - 15 kw	LC340 (CHWT 532 for 20 kW, 2 pcs.x LC340 for 30 kW)	

*Edge Dedection Accuracy may vary depending on the edge radius and quality of the sheet.

**A larger capacity filter is used in machines of 10kW and above.

Max. Cutting Thickness depending on Laser Power*										
Material	2 kW	3 kW	4 kW	6 kW	8 kW	10 kW	12 kW	15 kW	20 kW	30 kW
Mild Steel	12 (16)	16 (20)	20 (22)	25	25 (30)	30	30	35 (40)	40 (50)	50 (60)
Stainless Steel	6 (8)	8 (10)	10 (12)	15 (20)	20 (25)	25 (30)	25 (30)	35 (40)	40 (50)	40 (50)
Aluminum (AlMg3)	6 (8)	8 (10)	12 (15)	20 (25)	25 (30)	25 (30)	30 (40)	35 (40)	40 (50)	40 (50)
Copper	3	5	6	10	12	15	15	15	15	15
Brass	6	8	10	12	15	20	20	20	20	20

* Values given are for cutting with acceptable clean cutting surface. Values inside () are possible to cut, but some dross.

AVERAGE ELECTRICAL CONSUMPTION OF THE MACHINE (kW)			
LASER SOURCE POWER		AVERAGE CONSUMPTION (Kw)	
RESONATOR	2 KW	3.9	
	3 KW	5.7	
	4 KW	7.8	
	6 KW	8.8	
	8 KW	12.1	
	10 KW	13.6	
	12 KW	18.3	
	15 KW	20.9	
	20 KW	23.1	
	30 KW	39.1	
CHILLER 1	2 KW	4.4	
	3 KW	7.8	
	4 KW	7.8	
	6 KW	7.8	
	8-10-12-15 KW	8.1	
	20 KW	8.1	
	30 KW	16.2	
CHILLER 2		0	
FILTER		4.1	
ELECTRICAL PANEL		8.9	
TOTAL POWER	2 KW	21.3	
	3 KW	26.5	
	4 KW	28.6	
	6 KW	29.6	
	8 KW	33.2	
	10 KW	35.8	
	12 KW	47.5	
	15 KW	43.1	
	20 KW	45.3	
	30 kW	69.4	

LAYOUT AND DIMENSIONS

A	B	C	D	E	F	G	H	I	J
11750	7085	9550	2830	5000	3500	1260	2400	2280	853

Total Weight : 10,000 kg

