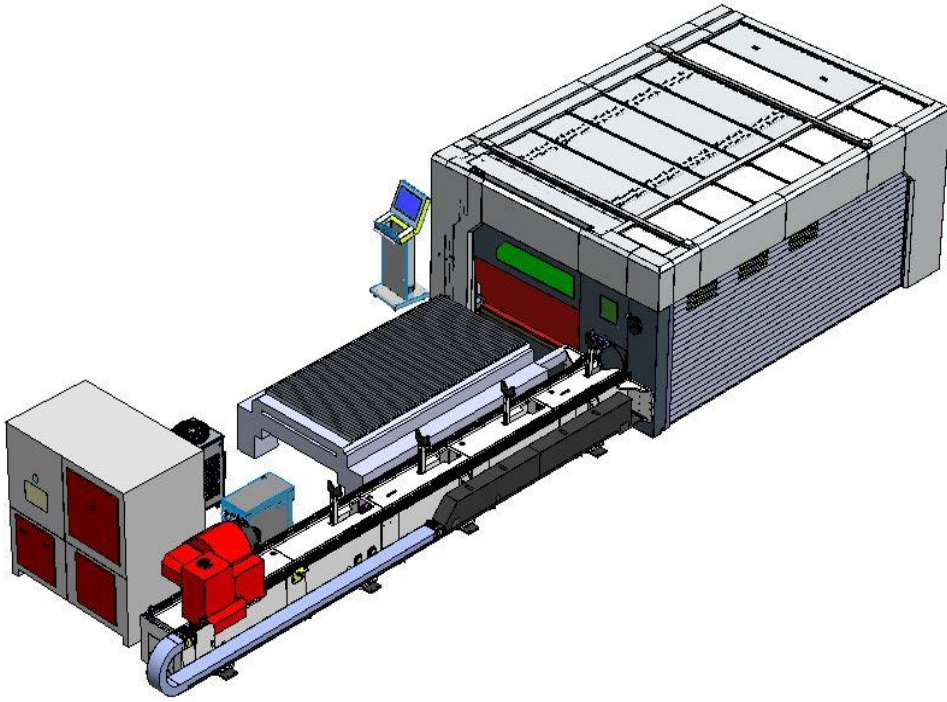


## HD-F 3015 IV COMBI



<b>TECHNICAL DATA</b>		
<b>Cutting Axes</b>		
X Axis	3100	mm
Y Axis	1530	mm
Z Axis	300	mm
Max. Sheet Size	3048x1524	mm
Max. Sheet Weight Per Square Meter for One Table	235 (corresponds to 30mm sheet)	kg/m <sup>2</sup>
Max. Total Sheet Weight for Double Table	1820 (corresponds to 50mm sheet)	kg
<b>Dynamics</b>		
Max. Speed X-axis	120	m/min.
Max. Speed Y-axis	120	m/min.
Max. Speed Z-axis	30	m/min.
Max. Synchronous Speed (X-Y)	170	m/min.
Max. Synchronous Acceleration	28	m/s <sup>2</sup>
Positional Accuracy	± 0,05	mm
Repeatability	± 0,05	mm
Table Change Time	26	sec.
Edge Dedection Accuracy*	± 1	mm
<b>Control Unit</b>		
CNC	SINUMERIK; 840D SL; NCU 720.3PN	
PC: PCU50.3	19" Touch panel	
<b>Laser Cutting Head</b>		
Type	Durma Cutting Head (for 2-3 kW) Precitec Procutter (for 4-6 kW)	
Focus Length	150	
Focus	Automatic	
<b>Filter</b>		
Type	Durma	
Capacity	2500	m <sup>3</sup> /h
Power	4	kw
<b>Chiller</b>		
Chiller for 2 kw	LC71	DURMA
Chiller for 3 kw	LC170	
Chiller for 4 kw	LC170	
Chiller for 6 kw	LC170	

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

Max. Cutting Thickness depending on Laser Power*				
Material	YLU 2000 (2 kW)	YLU 3000 (3 kW)	YLU 4000 (4 kW)	YLU 6000 (6 kW)
Mild Steel	12 (16)	16 (20)	20 (22)	25
Stainless Steel	6 (8)	8 (10)	10 (12)	12 (15)
Aluminum (AlMg3)	6 (8)	8 (10)	12 (15)	15 (20)
Copper	3	5	6	10
Brass	6	8	10	12

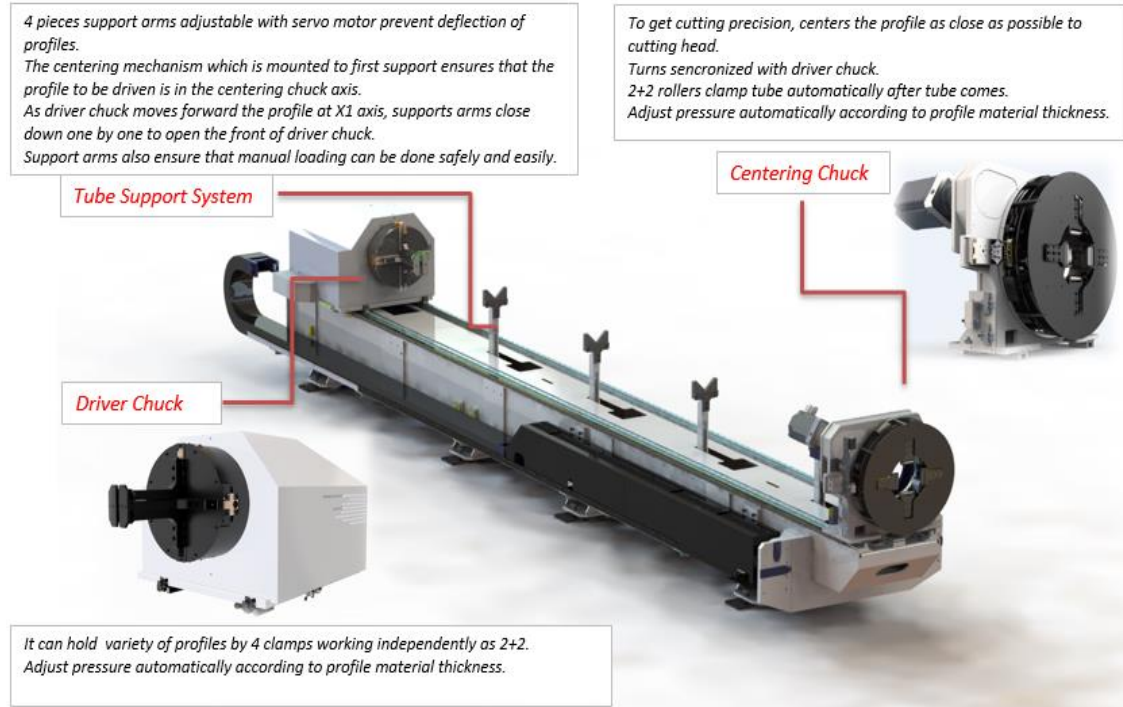
\* Values given are for cutting with acceptable clean cutting surface. Values inside ( ) are possible to cut, but some dross.

ELECTRICAL CONSUMPTIONS		
	LASER SOURCE POWER	AVERAGE CONSUMPTION (Kw)
IPG	2 KW	3,9
	3 KW	5,7
	4 KW	7,8
	6 KW	8,8
CHILLER 1	2 KW	4,4
	3 KW	7,8
	4 KW	7,8
	6 KW	7,8
CHILLER 2		0
FILTER		4
ELECTRICAL PANEL		13

AVERAGE ELECTRICAL CONSUMPTION OF THE MACHINE (kW)		
TOTAL POWER	2 KW	25,3
	3 KW	30,5
	4 KW	32,6
	6 KW	33,6

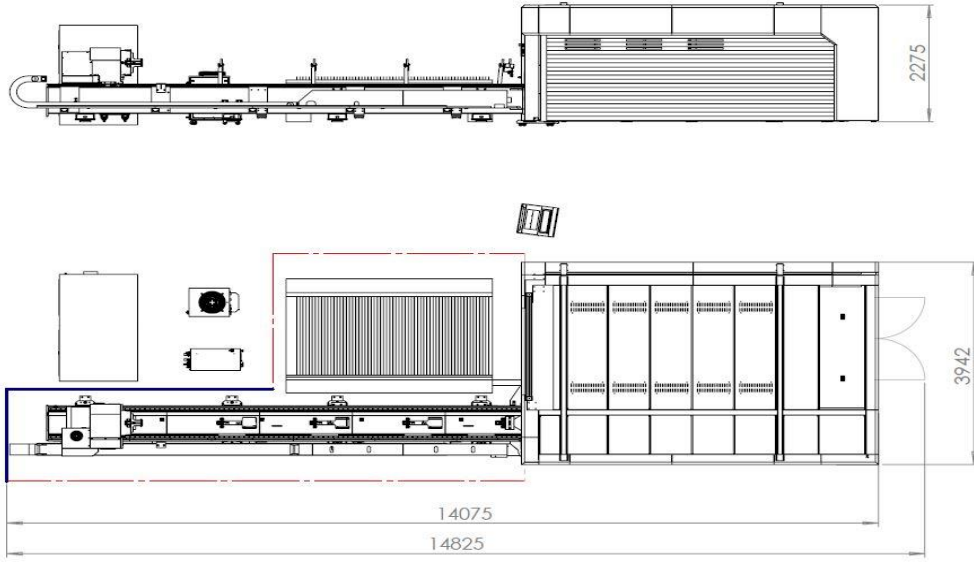
TUBE CUTTING SPECIFICATIONS		
Max. Pipe Diameter	170	mm
Max. Square Profile Dimension	120x120	mm
Max. Rectangular Profile Dimension	150x100	mm
Min. Pipe Diameter	20 (12 optional)	mm
Max. Material Length	6500	mm
Unloading Length	4500	mm
Max. Material Weight	37,5	kg/m
Max. Total Workpieces Weight	210	kg
Positioning accuracy	±0.2	mm

\* The maximum possible precision on the workpiece depends factors on the type of workpiece, its pretreatment. Measurement length is 1 m.



## LAYOUT AND DIMENSIONS

Total Weight : - kg



### Max. Cutting Thickness depending on Laser Power\*

Material	Laser Power		
	YLU 2000 W	YLU 3000 W	YLU 4000 W
Mild Steel	8	10	12
Stainless Steel	4	6	8
Aluminum (AlMg3)	6	8	12
Copper	2	3	4
Brass	4	6	8

\* Values given are for cutting with acceptable clean cutting surface.