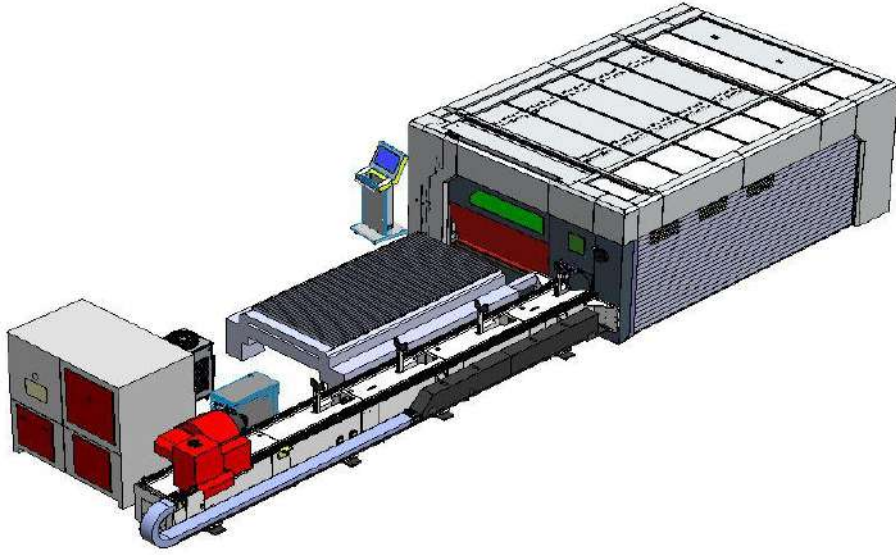


01.07.2021

HD-F 3015 IV COMBI



TECHNICAL DATA		
Cutting Axes		
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 ²
Max. Total Sheet Weight for Double Table	1820(corresponds to 50mm sheet)	kg
Dynamics		
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 ²
Positional Accuracy	± 0,05	mm
Repeatability	± 0,05	mm
Table Change Time	26	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	Precitec Lightcutter	
Focus Length	F125	
Focus	Automatic	
Filter		
Type	Durma	
Capacity	2500	m ³ /h
Power	4	kw
Chiller		
	DURMA	
Chiller for 2 kw	DRM	
Chiller for 3 kw	DRM	
Chiller for 4 kw	DRM	
Chiller for 6 kw	DRM	

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

Max. Cutting Thickness depending on Laser Power* (Sheet Cutting)				
Material	YLR 2 KW	YLR 3 KW	YLR 4 KW	YLR 6 KW
Mild Steel	12 (16)	16 (20)	20 (22)	25
Stainless Steel	6 (8)	8 (10)	10 (12)	15 (20)
Aluminum (AlMg3)	6 (8)	8 (10)	12 (15)	20 (25)
Copper	3	5	6	10
Brass	6	8	10	12

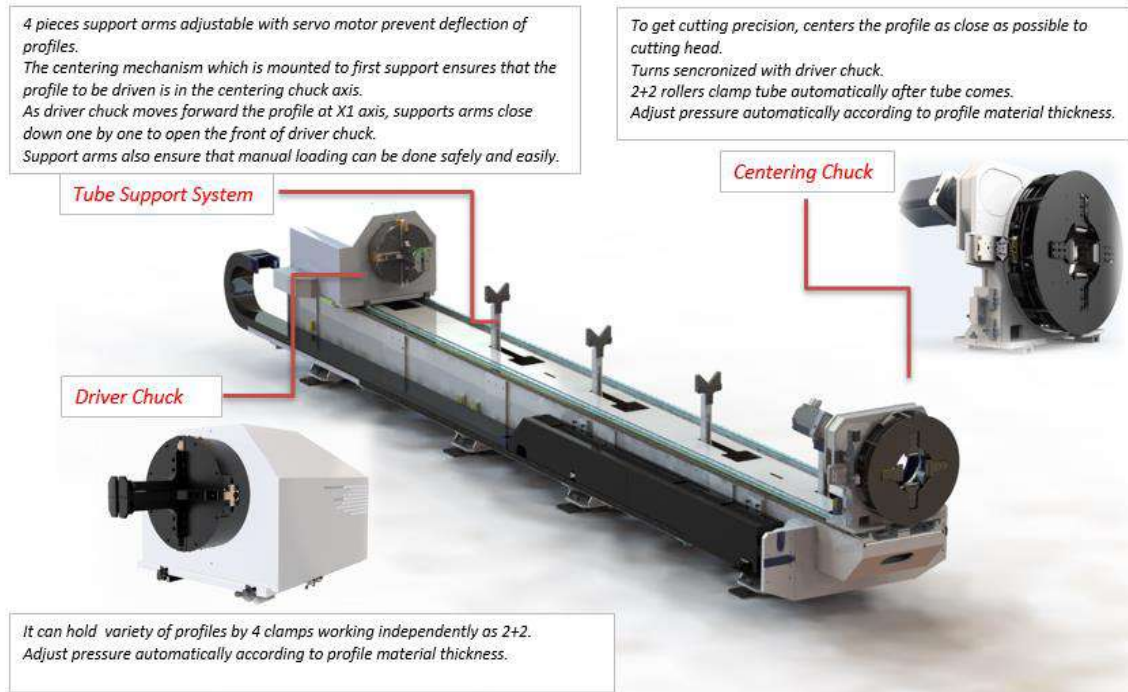
* Values given are for cutting with acceptable clean cutting surface. Values inside () are possible to cut, but some dross. 6kW resonator must be special for tube cutting.

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

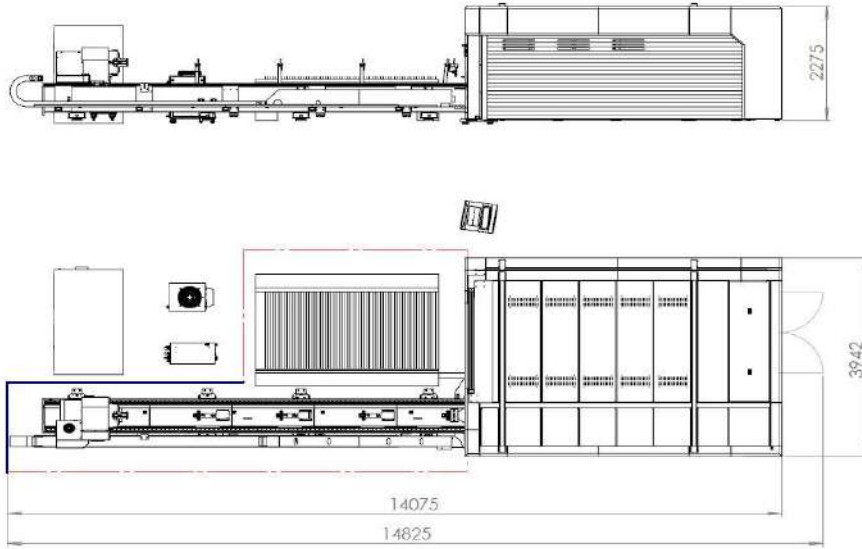
TUBE CUTTING SPECIFICATIONS		
Max. Pipe Diameter	170	mm
Max. Square Profile Dimension	120x120	mm
Max. Rectangular Profile Dimension	150x100	mm
Min. Pipe Diameter	20 (12 optional)	mm
Max. Material Length	6500	mm
Unloading Length (Automatic)	4500	mm
Unloading Length (Manual)	6000	mm
Max. Material Weigth	37.5	kg/m
Max.Total Workpieces Weigth	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* (Tube Cutting)

Material	YLR	YLR	YLR	YLR
	2000 W	3000 W	4000 W	6000 W
Mild Steel	8	10	12	12
Stainless Steel	5	6	8	8
Aluminum (AlMg3)	6	8	10	10
Copper	2	3	4	4
Brass	4	6	8	8

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