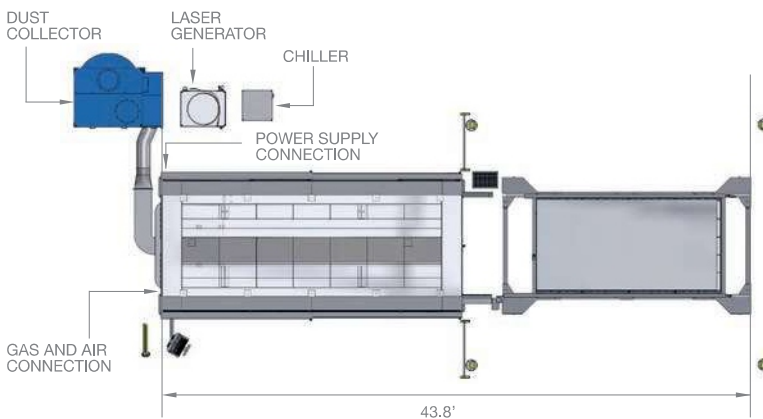
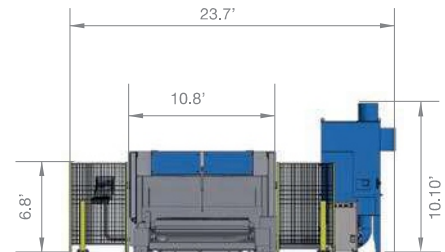
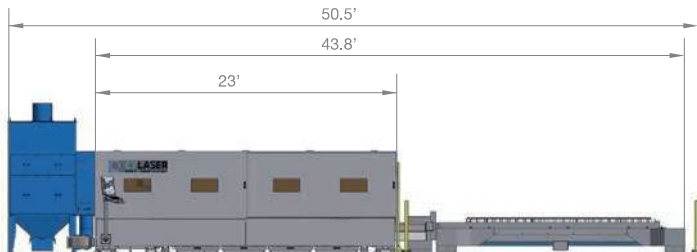


## FIBER LASER SYSTEM

# CY2D HT4020



### DIMENSIONS



### CY2D HT4020

- > New and more compact design
- > Access to working area on both sides
- > 20% increased productivity thanks to Hi-torque motors and linear Z axis
- > EVO III, the most advanced cutting head in the fiber laser industry
- > Suitable for high volume production
- > Right Hand or Left Hand configuration
- > Interfaces with Material Load and Unload systems

## CY2D LASER SOURCE AND CAPABILITIES CHART

Generator Model		20K	30K	40K	50K	60K	80K	100K
<b>Nominal Power</b>	kW	2	-	4	-	6	-	10
<b>Power Requirement</b>	kW	6	-	12	-	18	-	30
<b>Total installation (*)</b>	kW	22	-	30	-	36	-	48
<b>Frequency</b>	nm	1074	-	1074	-	1074	-	1074
<b>Maximum Cutting Capabilities</b>								
Carbon Steel	Inch	0.600	-	1.000	-	1.000	-	1.000
Stainless Steel	Inch	0.250	-	0.625	-	0.750	-	0.750
Aluminum Alloys	Inch	0.250	-	0.625	-	0.750	-	0.750
Brass	Inch	0.200	-	0.400	-	0.600	-	0.600

## CY2D HT4020

<b>Working Area</b>			
X Axis Travel		Inch	160
Y Axis Travel		Inch	81
Z Axis Travel		Inch	5
<b>Max Loading Capacity on each table</b>		Lb	3520
<b>Table change time</b>		sec	45
<b>AXES KINEMATIC</b>			
Minimum and maximum cutting speed		Inch/min	6/1968
Positioning Speed (X and Y axes)		Inch/min	110000
Interpolated Positioning Speed		Inch/min	6102
Acceleration		Inch/sec <sup>2</sup>	531
<b>PRECISION</b>			
Repeatability precision		Inch	0.0012
Parallelism and squareness over 31.5 inches of machine structure		Inch	0.0031
Cut perpendicularity (tolerance per 1 inch of thickness)		Inch	0.0004
<b>FOOTPRINT</b>			
Overall Length		Inch	531
Width		Inch	128
Height		Inch	81
<b>Total weight (excluding auxiliary equipment)</b>		Lb	33000
<b>Required Dust Collector</b>			6C
<b>Color</b>		RAL	7040
		RAL	5015
<b>VOLTAGE REQUIRED (**):</b>		V Triphase	Upon Request
Frequency		Hz	50 / 60

(\*) fiber laser generator, exhaust filter, chiller, 2d machine. (\*\*) available on request