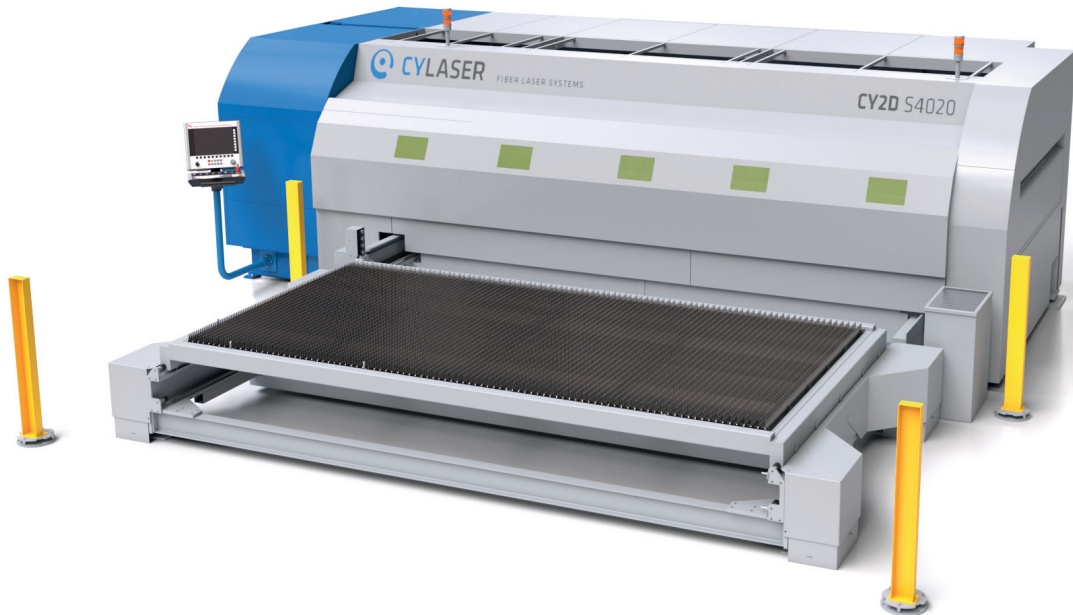
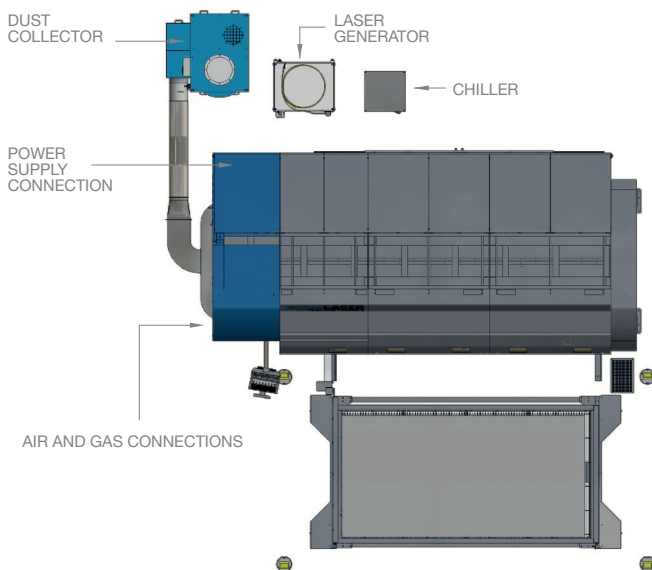
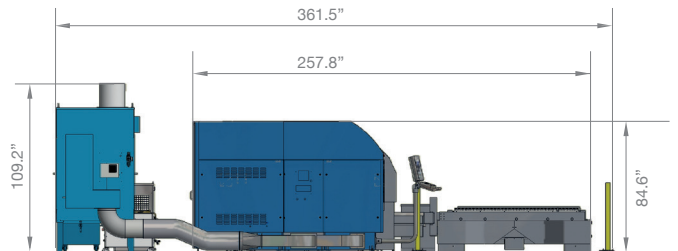
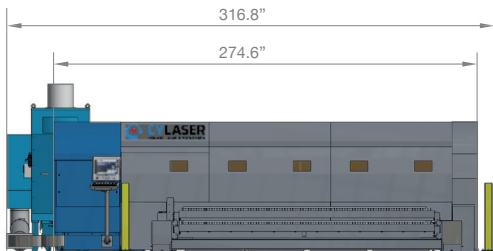


## FIBER LASER SYSTEM

# CY2D S4020



### DIMENSIONS



### CY2D S4020

- > Interfaces with Material Load and Unload systems
- > Compact layout, to optimize floor space
- > EVO III, the most advanced cutting head in the fiber laser industry

## CY2D LASER SOURCE AND CAPABILITIES CHART

Generator Model		20K	30K	40K	50K	60K	80K	100K
Nominal Power	kW	2	3	4	5	6	8	10
Power Requirement	kW	6	9	12	15	18	24	30
Total installation (*)	kW	22	27	30	33	36	42	48
Frequency	nm	1074	1074	1074	1074	1074	1074	1074
<b>Maximum Cutting Capabilities</b>								
Carbon Steel	Inch	0.600	0.785	1.000	1.000	1.000	1.000	1.000
Stainless Steel	Inch	0.250	0.600	0.625	0.700	0.750	0.750	0.750
Aluminum Alloys	Inch	0.250	0.600	0.625	0.700	0.750	0.750	0.750
Brass	Inch	0.200	0.250	0.400	0.400	0.600	0.600	0.600

## CY2D S4020

<b>Working Area</b>		
X Axis Travel	Inch	161
Y Axis Travel	Inch	80
Z Axis Travel	Inch	5
<b>Max Loading Capacity on each table</b>	Lb	3520
<b>Table change time</b>	sec	40
<b>AXES KINEMATIC</b>		
Minimum and maximum cutting speed	Inch/min	6/1968
Positioning Speed (X and Y axes)	Inch/min	4331
Interpolated Positioning Speed	Inch/min	6102
Acceleration	Inch/sec <sup>2</sup>	354
<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	275
Width	Inch	258
Height	Inch	85
<b>Total weight (excluding auxiliary equipment)</b>	Lb	27500
<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