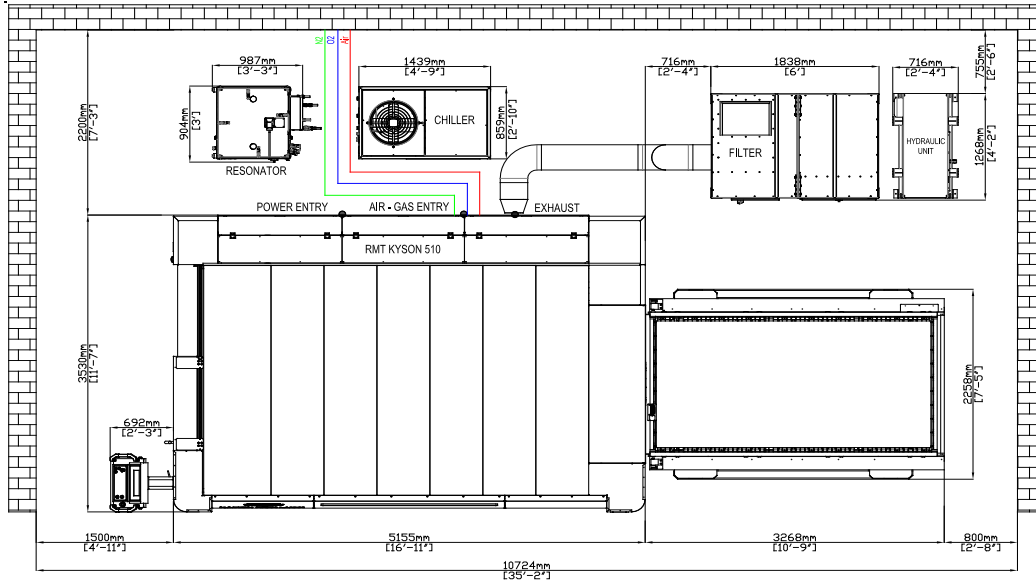




# KYSON 510 FIBER LASER



Size		5' x 10'			
Model Number		Kyson 510-2	Kyson 510-3	Kyson 510-4	Kyson 510-6
Laser light source		2 kW	3 kW	4 kW	6 kW
Conservative Production Cutting Capacity **	Mild Steel Oxygen	.625"	.750"	.875"	1.00"
	Mild Steel Nitrogen	.250"	.250"	.312"	.312"
	Stainless Steel	.375"	.500"	.625"	.750"
	Aluminum	.312"	.500"	.625"	.625"
	Brass	.187"	.250"	.375"	.500"
	Copper	.187"	.250"	.312"	.375"
Laser Fiber Diameter *		.004" (100 μm)	.004" (100 μm)	.004" (100 μm)	.004" (100 μm)
Pulse Peak Power		2 kW	3 kW	4 kW	6 kW
Average Power Consumption (220v/460v 3ph ± 10%)		21 kW	31 kW	34 kW	38 kW
Pulse Mode		Freq: 5 - 5000Hz Duty: 0 - 100%			
Power Stability		± 1-2% (power monitor)			
Beam Mode		Direct			
Protection of Laser Beam		Industrial Fiber Cable			
Laser Gas Composition		N/A			
Cooling Water Flow Rate		2.64 gpm (10 l/m)	5.28 gpm (20 l/m)	5.28 gpm (20 l/m)	10.56 gpm (40 l/m)
CNC Controller & Operator Panel		15" Touch Display, Ethernet Enabled, 2GB RAM with 8 GB Cfast Card			
Axis Movement		High Speed 4 Axes Servo Motor System			
Positioning System		Rack and Pinion		Linear	
Axis Speed (X,Y Traverse Speed)		5,551 IPM (141 m/min)		7,874 IPM (200 m/min)	
Acceleration		1.5G		3G	
Additional Power Consumption		-		+ 20 kWh	
Repeatability		± .0006" (± 0.015mm)		± .0004" (± 0.01mm)	
Positioning Accuracy		± .0012" (± 0.03mm)		± .0004" (± 0.01mm)	
Axis	X, U AXIS	5' 1" (1550mm)			
	Y AXIS	10' (3050mm)			
	Z AXIS	5.9" (150 mm)			
Sheet Dimensions		5' x 10' (1530x3050mm)			
Maximum Load Capacity		3,307 lbs (1500 kg)			
Shuttle Table Change Time		Double pallet system. Exchange time 35 sec with max sheet weight			
Z - Axis Distance Control		Non-Contact			
ASSIST GAS	Mild Steel	Oxygen 7.25 - 87 PSI (0.5-6 Bar)			
	Stainless Steel	Nitrogen 7.25 - 362 PSI (0.5-25 Bar)			
	Aluminum	Dry Air or Nitrogen 7.25 - 362 PSI (0.5-25 Bar)			
Cutting Head		Precitec Procutter (Auto Focus)			
CAD/CAM Software		RADAN CAD / CAM			
Machine Dimensions (L x W x H)		359" x 139" x 85" (9115x3530x2155mm)			
Machine Weight		24,691 lbs (11,200 kg)			