

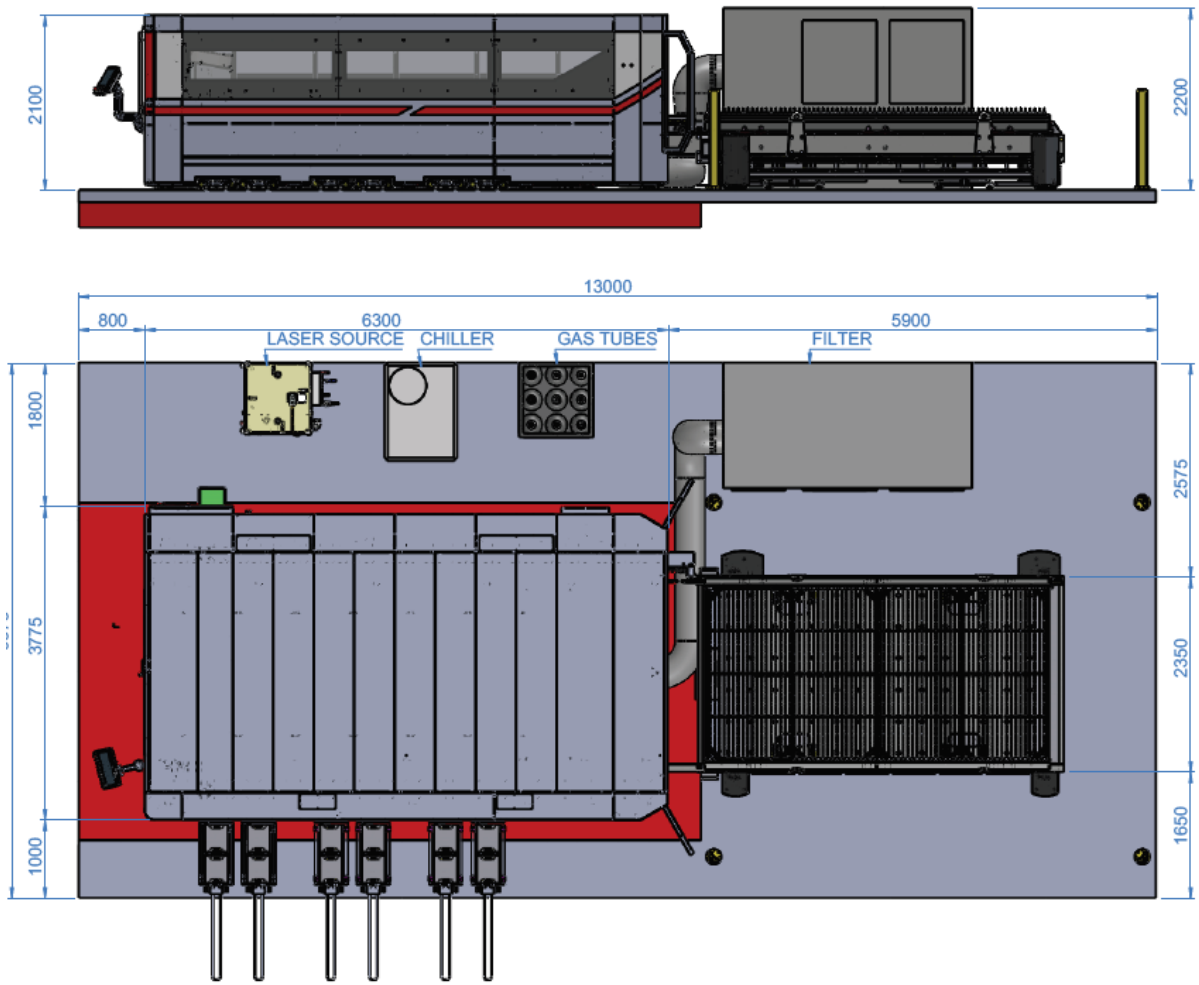


Technical Data

BLS PRO

Working Area	Width	2000 to 4000 mm	
	Length	3000 to 15000 mm	
Laser Power	6 kW - 15 kW		
Resonator	IPG - nLIGHT - Max Photonics		
Cutting Head	Precitec ProCutter 2.0 (Standard)		
CNC Control Unit	Beckhoff CNC (18.5" TFT - Windows 10)		
Motion System	X Axis Rack and Pinion (Wittenstein) Y Axis Linear (Bosch Rexroth)	X + Y Axis Linear (Bosch Rexroth)	
Motors & Drivers	Beckhoff (Rotary Servo)	Beckhoff (Linear Servo)	
Rapid Traverse	115 m/min.	150 m/min.	
Vector Speed	165 m/min.	215 m/min.	
Acceleration	2.2G (22m/s ²)	3.0G (30m/s ²)	
Absolute Positioning Accuracy	±0.02 mm	±0.01 mm	
Repeatability	±0.02 mm	±0.01 mm	
Programmable Feed Rate	Up to 100 m/min.	Up to 125 m/min.	
Transfer Table Motorized	Motorized - Automatic Exchange		
Max. Load Capacity	2500 kg for 2000x4000 mm / 3500 kg for 2000x6000 mm		
Nesting Software	LANTEK Expert Cut II or Metalix AutoNest Pro		
Nozzle Cleaning & Calibration	Automatic		
Bevel Cutting Head	Optional		
Automatic Nozzle Changer	Optional		
Fume Extractor	Optional		

BLS PRO Fiber Laser Cutting Machine



Material	1 kW	2 kW	3 kW	4 kW	6 kW	8 kW	10 kW	12kW	15 kW	20 kW
Mild Steel	12 mm	16 mm	20 mm	22 mm	25 mm	30 mm	35 mm	40 mm	45 mm	50 mm
Stainless Steel	5 mm	6 mm	8 mm	12 mm	16 mm	25 mm	30 mm	35 mm	40 mm	45 mm
Aluminum	3 mm	4 mm	6 mm	10 mm	12 mm	25 mm	30 mm	35 mm	40 mm	45 mm
Copper	2 mm	3 mm	3 mm	6 mm	8 mm	12 mm	10 mm	15 mm	15 mm	20 mm
Brass	3 mm	4 mm	4 mm	8 mm	10 mm	16 mm	16 mm	15 mm	20 mm	25 mm



* Material cutting thickness is dependent on many factors including material specifications, condition and machine parameters. All specifications are subject to change.