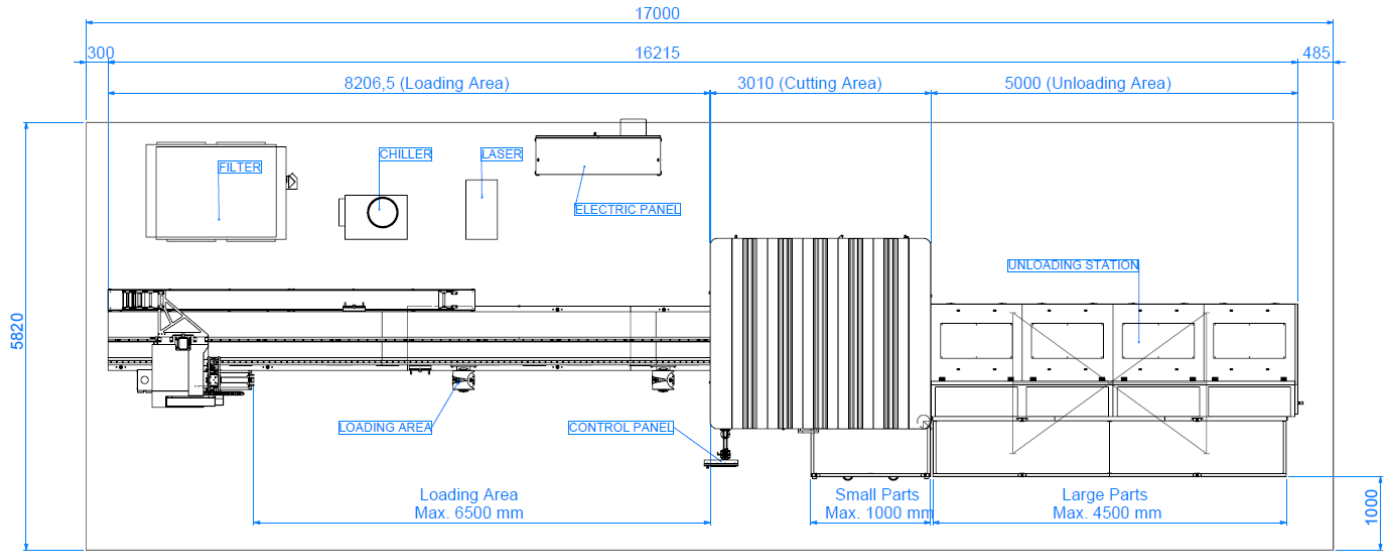




Technical Data

BLT Series	6220	8220
Laser Power	1 kW - 4 kW	
Resonator	IPG- nLIGHT - Max Photonics	
Cutting Head	Precitec LightCutter 3D	
CNC Control Unit	Beckhoff CNC (18.5" TFT-Windows 10)	
Bevel Cutting	Optional	Optional
Max. Tube Length	6100 mm	8100 mm
Max. Part Length	4000 mm	
Min. Auto Loading Length	2000 mm	
Acceleration of Driver Chuck	7000 Deg/s ²	
Speed of Driver Chuck	560°/s	
Types of Profiles	Round, Rectangular, Triangular, H, C, U, L, Ellipse, Obround, Custom Shapes	
Min. / Max. Round Diameter	Ø16 / Ø220 mm	
Min. / Max. Square Diameter	Min. 16x16 mm Max. 220x220 mm	
Length of Last Part	60 mm	
Max. Tube Weight	240 kg	
Min. Material Thickness	0.8 mm	
Rapid Speed	90 m/min.	
Vector Speed	130 m/min.	
Acceleration	1.0G (10m/s)	
Absolute Positioning Accuracy	± 0.01 mm	
Repeatability (X & Y Axis)	± 0.02 mm	
Programmable Feed Rate	Up to 50m/min. Actual feed rate depends on material and thickness	
Automatic Loading	Optional	
Automatic Unloading	Optional	
Fume Extractor	Optional	



Material	1 kW	2 kW	3 kW	4 kW
Mild Steel	12 mm	16 mm	20 mm	22 mm
Stainless Steel	5 mm	6 mm	8 mm	12 mm
Aluminum	3 mm	4 mm	6 mm	10 mm
Copper	2 mm	3 mm	3 mm	6 mm
Brass	3 mm	4 mm	4 mm	8 mm



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