



Technical Data

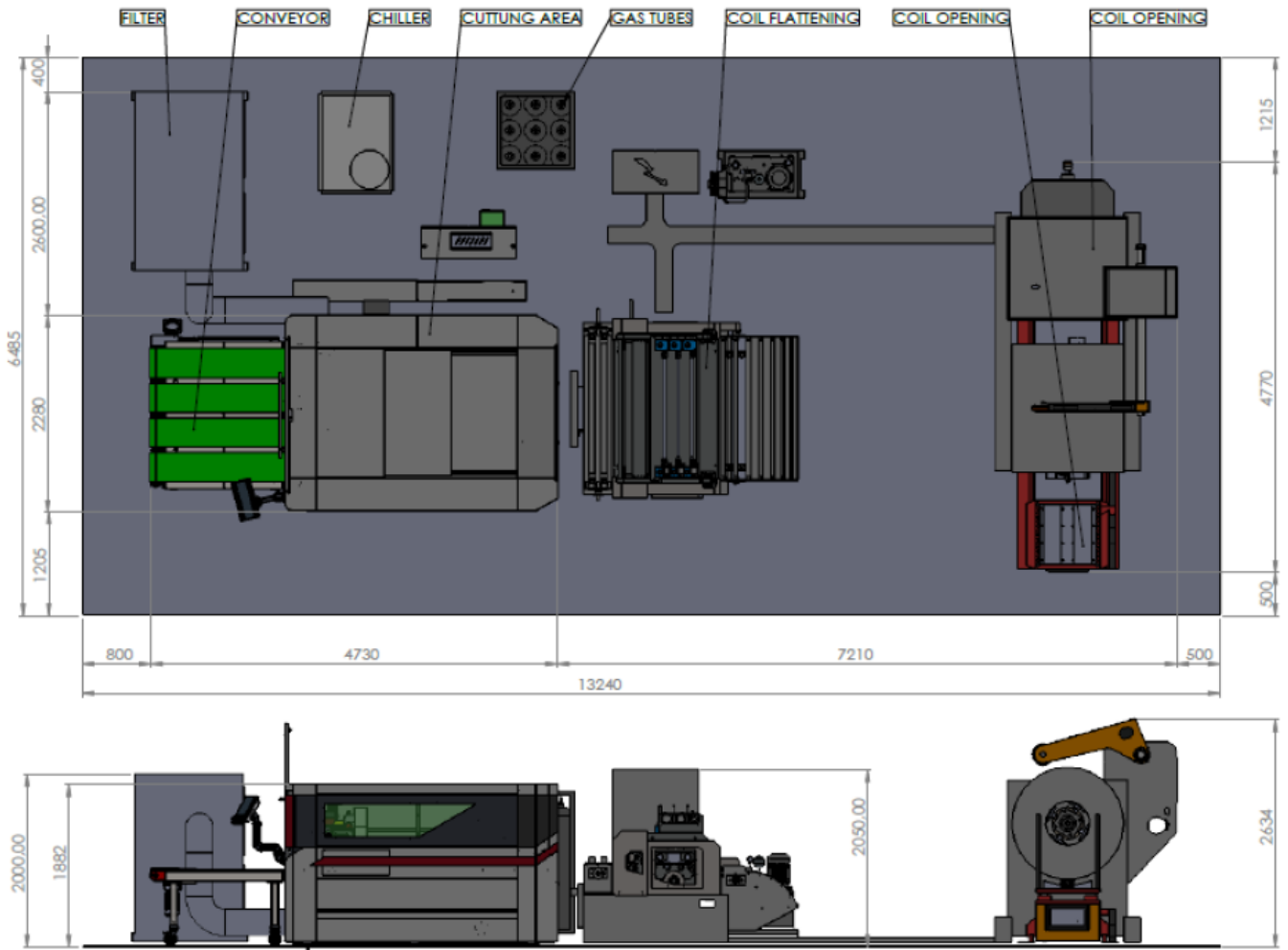
BLE		
Working Area	Width	1500 mm
	Length	1500 mm
Laser Power	1 kW - 4 kW	
Resonator	IPG - nLIGHT - Max Photonics	
Cutting Head	Precitec ProCutter Thunder (Standard) Precitec ProCutter 2.0 (Optional)	
CNC Control Unit	Beckhoff CNC (18.5" TFT-Windows 10)	
Motors and Drivers	Beckhoff (Rotary Servo)	
Motion System	Rack and Pinion (Wittenstein)	
Rapid Traverse	95 m/min.	
Vector Speed	135 m/min.	
Acceleration	1.5G (15m/s <sup>2</sup> )	
Absolute Positioning Accuracy	± 0.03 mm	
Repeatability	± 0.04 mm	
Programmable Feed Rate	Up to 50 m/min.	
Transfer Table	Single Table	
Max. Load Capacity	750 kg for Each Table	
Nesting Software	LANTEK Expert Cut II / Metalix AutoNest PRO	
Nozzle Cleaning & Calibration	Automatic	
Fume Extractor	Optional	

**CFS DECOILER**

Coil Loading Capacity	6000 kg
Drum Type	Hydraulic Expansion
Hydraulic Unit	Yes
Drum Number	Single
Coil Hold Down Arm	Hydraulic
Coil Hold Up Arm	None
Coil Inner / Outer Diameter	480 ~ 520 / 1300
AC Motor Power	3.0 kW
Gearbox Type	Conical Type, Helicat Geared, Low Backlash
Power Transfer Type	Sprocket
Speed Control	Yes
Breake System	Magnetic
Loop Control	Distance Controlled Laser Sensor
Coil Loading Car	Yes
Coil Centering	Manuel

**CFS STRAIGHTENER FEEDER**

Openable Rolls Group	~ 20 Degrees Crocodile Openable Hydraulic Driven
Straightener Drive Type	Gear Driven
Straightener Adjustment Gearbox	Hand Wheel With Indicator / 3 Pieces
Straightener Rolls Pressure Gearbox	3 Pair - Shaft Fitted
Straightener Rolls Arrangement	4 Bottom / 3 Top
Number of Straightener Rolls	7
Diameter of Straightener Rolls	100 mm
Number of Feeder Rolls	2
Diameter of Feeder Rolls	125 mm
Feeder Rolls Pressure Adjustment	Pneumatic
Servo Motor Power	24 nm
Gearbox Type	Conical Type, Helical Gearedi Keyless, Shrink Disc, Low Backlash
Piloting System	None
Sheet Positioning Inside Die	Push Button



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.