

BLE CFS Coil Fed Fiber Laser


Unique Features

BLE CFS Coil Feeding Fiber Laser cutting machines are ideal for mass production companies.

This advanced system offers maximum productivity and cuts cost per unit. Besides these benefits, BLE CFS reduces cost of scrap material.

- 1.5 G Acceleration
- Rack and Pinion Motion System
- Unique Gantry
- Advanced Baykal HMI
- Ideal Productivity
- Superior cutting speed approach up to 150 m/min.

Model	BLE CFS
Net Cutting Area	1.524x1.524 mm
Laser Power	1000-4000 W
Standard Cutting Head	Precitec Light Cutter 2.0
CNC Control Unit	Beckhoff CNC (18.5" TFT-Windows 10)
Motors/Drivers	Rotary Servo (Beckhoff)
Motion System	Rack and Pinion (Wittenstein)
Rapid Traverse	95 m/min.
Vector Speed	135 m/min.
Acceleration	1.5 G (15m/s ²)
Absolute Positioning Accuracy	± 0.03 mm
Repeatability	± 0.05 mm
Programmable Feed Rate	Up to 50 m/min
Nesting Software	LANTEK Expert Cut II / Metalix AutoNest PRO
Nozzle Cleaning& Calibration	Standard Automatic
Fume extractor	Optional
Automatic Nozzle Changer	Not Applicable
Bevel Cutting Head	Not Applicable

Technical Specifications of Feeding System

Decoiler

Coil Loading Capacity	6000Kg
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	3,0kW
Gearbox Type	Conical type, helical geared, low backlash
Power Transfer Type	Sprocket
Speed Control	Yes
Brake System	Magnetic
Loop Control	Distance controlled laser sensor
Coil Loading Car	Yes
Coil Centering	Manuel

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	100mm
Number of Feeder Rolls	2
Diameter of Feeder Rolls	125mm
Feeder Rolls Pressure Adjustment	Pneumatic
Servo Motor Power	24Nm
Gearbox Type	Conical type, helical geared, keyless, shrink disc, low backlash
Piloting System	None
Sheet Positioning Inside Die	Push Button

