

Fiber laser type BLE-PRO

Best
Quality



The BLE-PRO fiber laser from Baykal is an all in one box design, suitable for customers who have a lack of space. This machine offers lower capital investment and lower operating costs, and it is a good solution for customers cutting in thin material up to 30 mm.

This machine is easy to operate, reliable and precise, and has a unique cutting quality within the first minute of cutting process.

Features for BLE-PRO:

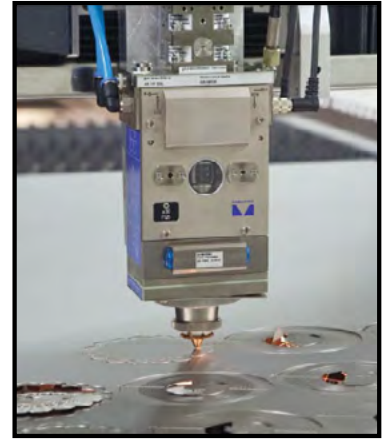
- Precise and easy handling of both large and small items
- High speed and high precision through servo system
- Fiber optics laser system
- Simple and user-friendly operator interface and extensive cutting database
- Motorised transfer table
- Safety warnings and graphical diagnostic
- Low costs and low energy consumption
- Easy processing of copper, titanium and brass
- Low cooling capacity due to fiber optics
- Perfect beam quality and long lifetime for cutting lense
- Lantek nesting with maximum performance
- CAD 2D design
- CAD 3D design (optional)
- CNC control - movable



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- BLE-PRO uses Precitec cutting head, which is one of the most commonly used brands in the industry.
- Distance to the workpiece remains the same via a capacitive sensor.
- Laser head is easy interchangeable.
- Anti-collision system on the laser head, so that the laser will stop immediately if the cutting head should collide with the workpiece.
- Via the CNC control you can program an automatic nozzle cleaning and a calibration of the nozzle.
- Parts debris conveyor for small parts, scraps and slag from cutting table (option).
- Autofocus - Proven Lasermatic® distance sensor.
- IPG and Nlight resonator according to requirements.



		BLE-PRO 1530
Laser power	W	1000, 1500, 2000, 2500, 3000, 4000, 6000
Workpiece dimensions	mm	1524 x 3048
X-axis (rack & pinion)	mm	3000
Y-axis (rack & pinion)	mm	1500
Z-axis (ball screw)	mm	150
Rapid traverse (X-Y axes)	m/min.	110
Vector speed	m/min.	145
Acceleration		1,2 G
Positioning accuracy	mm	± 0,08
Repeatability	mm	± 0,03
Feed rate	m/min.	up to 50 m/min. depending on material and thickness
Focusing lenses		150 mm
Transfer table		motorised - automatic
Max. load capacity	kg	1000 per table
Max. cutting capacity (depending on laser strength)	mm	0-30 (steel) 0-20 (stainless) 0-15 (aluminum)
CNC control		Beckhoff CNC 19" TFT-Windows 7
Nesting software		LANTEK Expert Cut
Automatic nozzle cleaning and calibration		Standard