

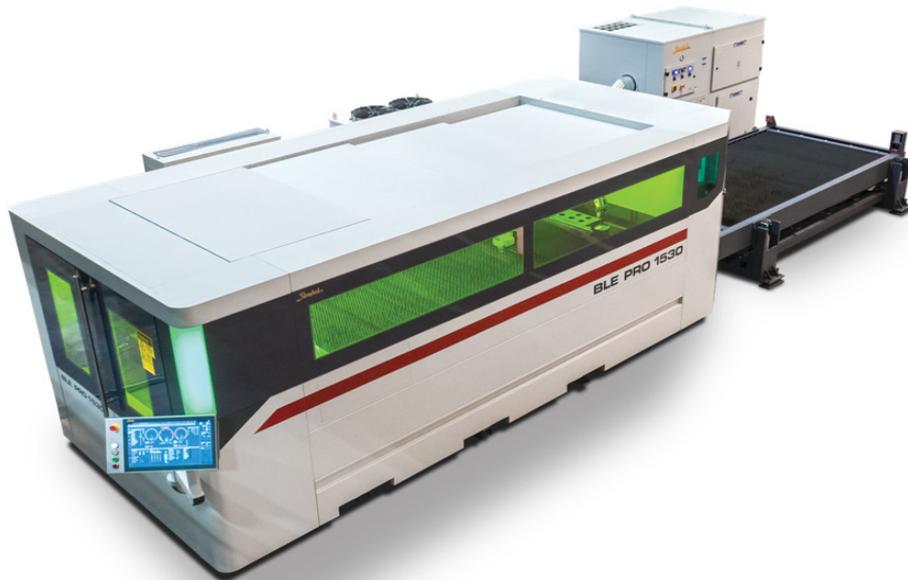
Now **BLE Pro** Series Fiber Lasers can be equipped with Automatic Loading and Unloading Device. **Baykal Tower Compact** is integrated as part of machine and additional floor space is not required.

## Baykal Tower Compact: Automated Loading and Unloading System



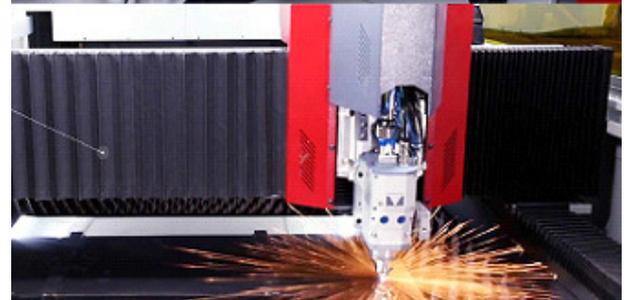
<b>Max. Sheet Size</b>	1500*3000 mm
<b>Min. Sheet Size</b>	1000*1000 mm
<b>Maximum Sheet Weight (Handling)</b>	600 kg
<b>Maximum Material Stacking Weight (on Pallet)</b>	3000 kg
<b>Max. Sheet Metal Thickness</b>	16 mm
<b>Number of Compartments</b>	2 Units (Stacking and Scrap)
<b>Max. Loading and Unloading Course</b>	100 mm
<b>Loading and Unloading Cycle time*</b>	135 Seconds

**Cycle time:** Starts with taking scrap sheet from transfer table to pull over on pallet and then taking new sheet from pallet to transfer table.



### Standard Features and Equipment

<b>Working area</b>	1524 x 3048 mm (60" x 120")
<b>Laser Power</b>	1.000-6.000 W
<b>Cutting Head</b>	Precitec LightCutter (Auto Focus) Precitec ProCutter (Optional)
<b>Focusing Lenses</b>	150 mm
<b>CNC Control Unit</b>	Beckhoff CNC (18.5" TFT-Windows 7)
<b>Servo Motors/Drivers</b>	Beckhoff
<b>Rack and Pinion</b>	Wittenstein
<b>Rapid Traverse</b>	110 m/min.
<b>Vector Speed</b>	140 m/min.
<b>Acceleration</b>	2.0 G (20m/s <sup>2</sup> )
<b>Absolute Positioning Accuracy</b>	± 0.02 mm
<b>Repeatability</b>	± 0.02 mm
<b>Feed Rate</b>	Programmable up to 50 m/min
<b>Transfer Table</b>	Motorized - Automatic Exchange
<b>Max. Load Capacity</b>	1000 kg for Each Table
<b>Nesting Software</b>	LANTEK Expert Cut II Metalix AutoNest PRO
<b>Nozzle Cleaning and Calibration</b>	Automatic
<b>Fume extractor</b>	Optional



	Maximum Cutting Capacities				
	1 kw	2 kw	3 kw	4 kw	6 kw
Mild Steel	10 mm	15 mm	18 mm	20 mm	25 mm
Stainless Steel	4 mm	8 mm	10 mm	12 mm	15 mm
Aluminum	3 mm	6 mm	8 mm	10 mm	12 mm
Copper	2 mm	4 mm	5 mm	6 mm	8 mm
Brass	2 mm	4 mm	5 mm	6 mm	8 mm