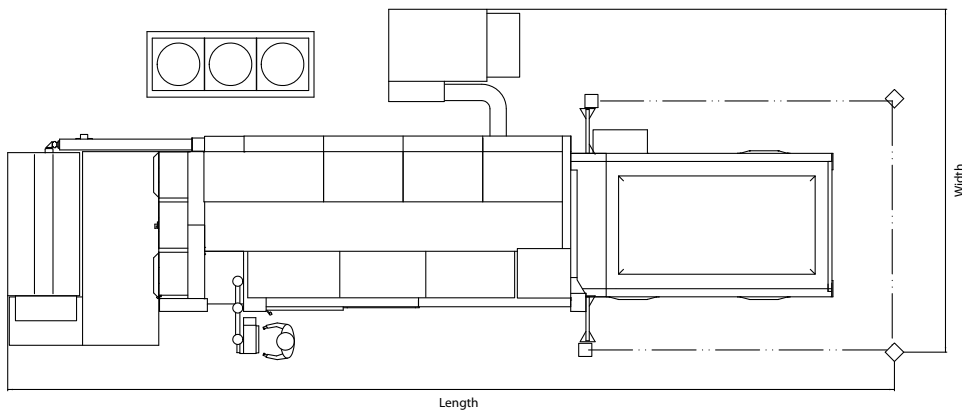
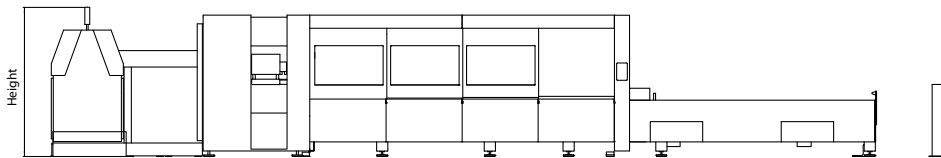


## Technical Data BySpeed with ByLaser 6000



### BySpeed 3015

Length	13 500 mm
Width	5 200 mm
Height	2 280 mm

Nominal sheet size	x = 3000 mm y = 1500 mm
Cutting range	x = 3048 mm/ 120 in. y = 1524 mm/ 60 in. z = 100 mm/3.90 in.
Maximum positioning speed parallel axis x, y	120 m/min
Maximum positioning speed simultaneous	169 m/min
Maximum axis acceleration	30 m/s <sup>2</sup>
Positioning accuracy Pa *	± 0.1 mm
Repeatability Ps *	± 0.05 mm
Edge detection precision	± 0.5 mm
Maximum workpiece weight	890 kg
Machine weight **	20 000 kg
Base	normal, reinforced industrial floor according to assembly plan
Cutting heads	5" and 7.5"
Cutting gas consumption	dependent on material
Operation via panel	with 15" touch screen, keyboard and manual control unit
Drives	DVD-RW, USB 2.0
Network connection	RJ45 connection 10/100 MBit/s

CO <sub>2</sub> laser source	ByLaser 6000
Power	6000 W
Wavelength	10.6 µm
Polarization	circular
Pulse frequency	1 – 2500 Hz
Maximum sheet thicknesses ***	
Mild steel	25 mm
Stainless steel	25 mm
Aluminum	15 mm
Maximum electric consumption of the total system ****	74 kW

\* According to VDI/DGQ 3441 measuring length 1 m. The precision of the sheet metal part depends on the material in question and its previous handling as well as the table size and its warming.

\*\* Complete laser cutting system with shuttle table without suction, cooling equipment and automation

\*\*\* In order to cut the maximum thicknesses, the following conditions must be met:

- Optimally suspended and set laser cutting system
- The materials must be of the quality demanded by Bystronic (laser materials)

\*\*\*\* Entire system with suction and cooling equipment

The right to make changes to dimensions, construction, and equipment is reserved. ISO-9001-certified

## Your contact

[www.bystronic.com](http://www.bystronic.com)