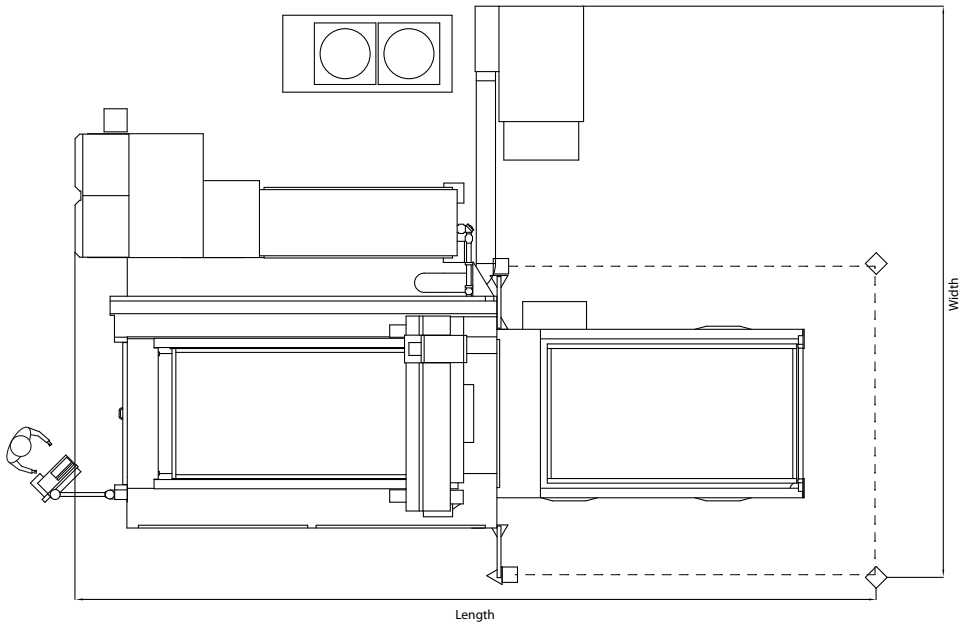
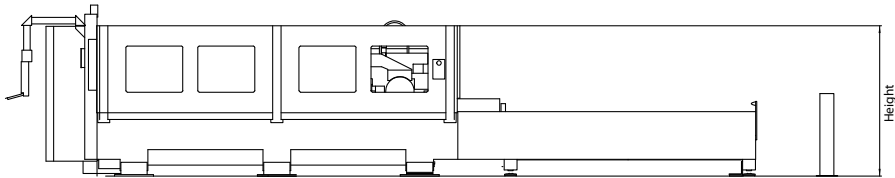


# Technical Data

## BySprint Pro



with ByLaser 4400

<b>Length</b>	409 in.
<b>Width</b>	276 in.
<b>Height</b>	79 in.

Nominal sheet size	x = 120 in. y = 60 in.
Cutting range	x = 3048 mm/ 120 in. y = 1524 mm/ 60 in. z = 70 mm/2.75 in.
Maximum positioning speed parallel axis x, y	3937 in./min
Maximum positioning speed simultaneous	5500 in./min
Maximum axis acceleration	472 in./s <sup>2</sup>
Positioning accuracy Pa *	± 0.004 in.
Repeatability Ps *	± 0.002 in.
Edge detection precision	± 0.020 in.
Maximum workpiece weight	1650 lbs.
Machine weight **	26,450 lbs.
Base	normal, reinforced industrial floor according to assembly plan
Cutting heads	5" and 7.5"
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 4400
Power	4400 W
Wavelength	10.6 μm
Polarization	circular
Pulse frequency	1–2500 Hz
Maximum sheet thicknesses ***	
Mild steel	0.750 in.
Stainless steel	0.750 in.
Aluminum	0.500 in.
Maximum electric consumption of the total system ****	53 kW

\* According to VDI/DGQ 3441 measuring length 39 in. 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)