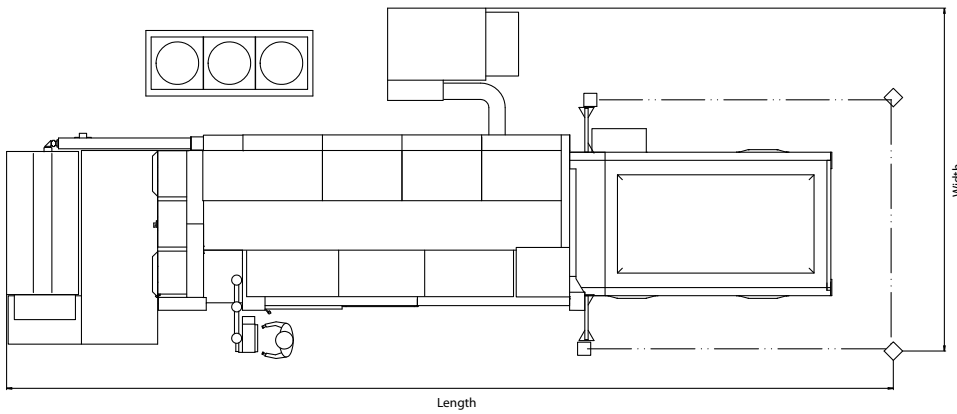
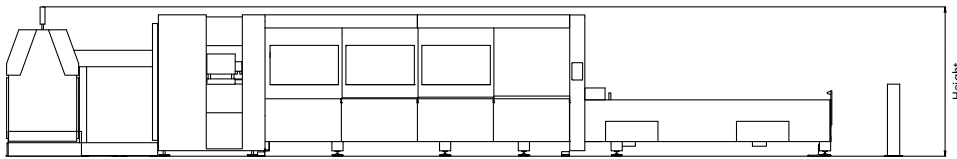


Technical Data

BySpeed Pro



	with ByLaser 4400	with ByLaser 6000
Length	532 in	532 in
Width	205 in	205 in
Height	114 in	114 in

Nominal sheet size	x = 120 in y = 60 in
Cutting area	x = 3048 mm/ 120 in y = 1524 mm/ 60 in z = 100 mm/3.90 in
Maximum positioning speed parallel axis x, y	4700 in/min
Maximum positioning speed simultaneous	6650 in/min
Maximum axis acceleration	1180 in/s ²
Positioning accuracy Pa*	± 0.004 in
Repeatability Ps*	± 0.002 in
Edge detection accuracy	± 0.020 in
Maximum workpiece weight	1985 lbs
Machine weight**	44,000 lbs
Base	normal, reinforced industrial floor according to assembly plan
Cutting heads	3.75", 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 ₂ laser source	ByLaser 4400	ByLaser 6000
Power	4400 W	6000 W
Wavelength	10.6 µm	10.6 µm
Polarization	circular	circular
Pulse frequency	1–2500 Hz	1–2500 Hz
Maximum sheet thicknesses***		
Mild steel	1.000 in	1.000 in
Stainless steel	0.750 in	1.000 in
Aluminum	0.500 in	0.600 in
Maximum electric consumption of the total system****	51 kW	78 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 pre-treatment as well as the sheet size and its warming.

** Complete laser cutting system with shuttle table without exhaust, chiller and automation

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

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

**** Entire system with exhaust and chiller

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

Bystronic Best choice.

Laser | Bending | Waterjet
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