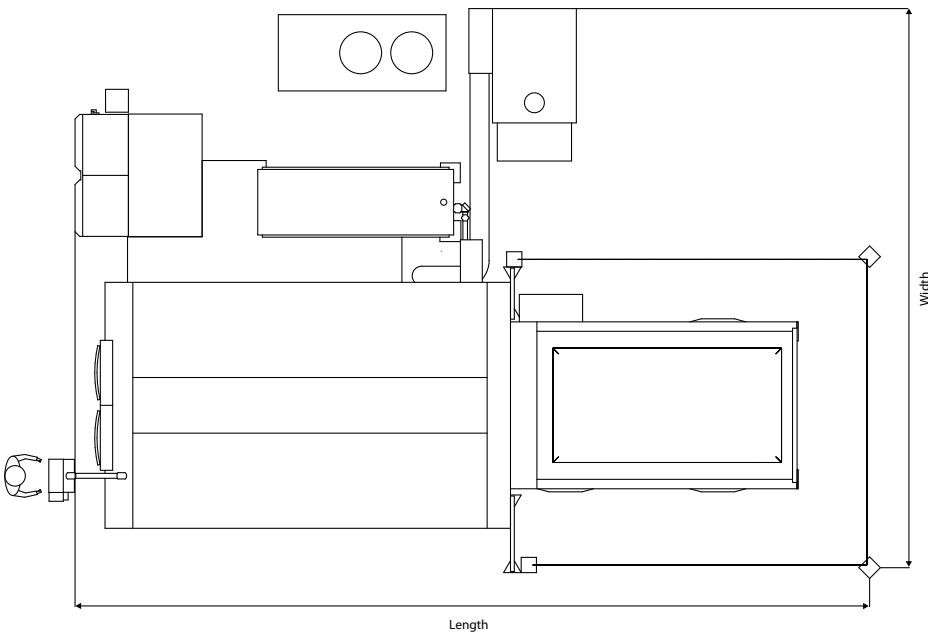
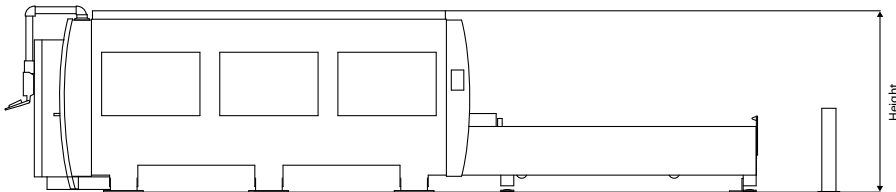


## Technical Data BySprint Pro



with ByLaser 4400

Length	10 400 mm
Width	7 300 mm
Height	2 380 mm

Top cover as optional extra

Nominal sheet size	x = 3000 mm y = 1500 mm
Cutting area	x = 3048 mm/ 120 in y = 1524 mm/ 60 in z = 70 mm/2.75 in
Maximum positioning speed parallel axis x, y	100 m/min
Maximum positioning speed simultaneous	140 m/min
Maximum axis acceleration	12 m/s <sup>2</sup>
Positioning accuracy Pa*	± 0.1 mm
Repeatability Ps*	± 0.05 mm
Edge detection accuracy	± 0.5 mm
Maximum workpiece weight	750 kg
Machine weight**	12 000 kg
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	20 mm
Stainless steel	20 mm
Aluminum	12 mm
Maximum electric consumption of the total system****	51 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 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.

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