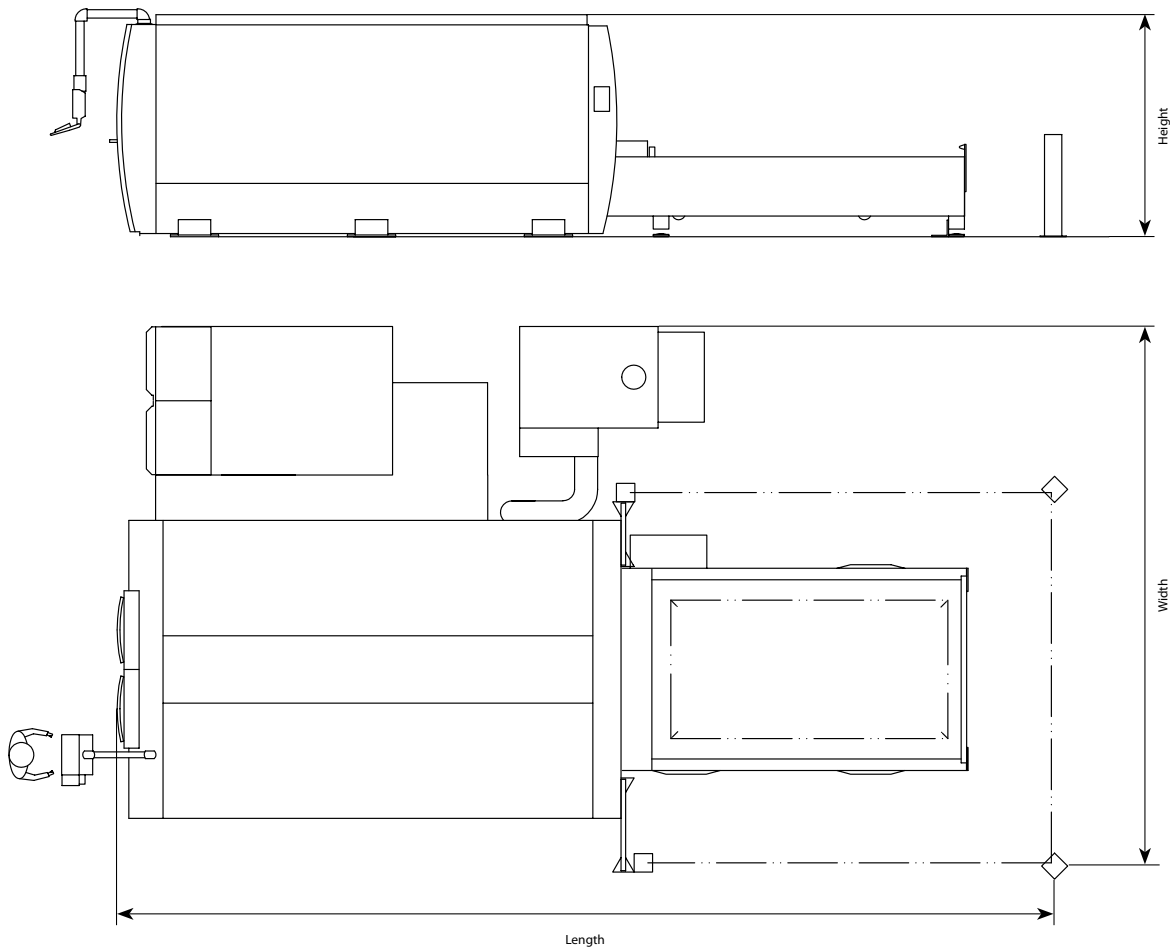


Technical Data

BySprint Fiber 4020



BySprint Fiber 4020

Length	12 900 mm
Width	6 750 mm
Height	2 500 mm

Nominal sheet size	x = 4000 mm y = 2000 mm
Cutting area	x = 4064 mm y = 2032 mm z = 70 mm
Maximum positioning speed parallel axis x, y	100 m/min
Maximum positioning speed simultaneous	140 m/min
Maximum axis acceleration	12 m/s ²
Positioning accuracy Pa*	± 0,1 mm
Repeatability Ps*	± 0,05 mm
Edge detection accuracy	± 0,5 mm
Maximum workpiece weight	1270 kg
Machine weight**	15000 kg
Foundation	normal, reinforced industrial floor according to assembly plan
Operation via panel	with 15" touch screen, keyboard and manual control unit
Disk drives	DVD-RW, USB 2.0
Network connection	RJ45 connection 10/100 Mbit/s
ByVision (see separate datasheet for specifications)	standard

Laser source	Fiber 3000	Fiber 4000
Power	3000 W	4000 W
Wavelength	1 µm	1 µm
Polarization	unpolarized	unpolarized
Pulse frequency	1–2500 Hz	1–2500 Hz
Maximum sheet thicknesses***	–	–
Steel	20 mm	20 mm
Stainless steel	12 mm	15 mm
Aluminum	12 mm	15 mm
Brass	6 mm	8 mm
Copper	6 mm	8 mm
Total electrical consumption of system****	21,4 kW	25 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 pretreatment as well as the sheet size and its temperature

** Entire system without exhaust and chiller

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

- optimally maintained and adjusted laser cutting systems
- the materials must be of the quality specified 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
bystronic.com