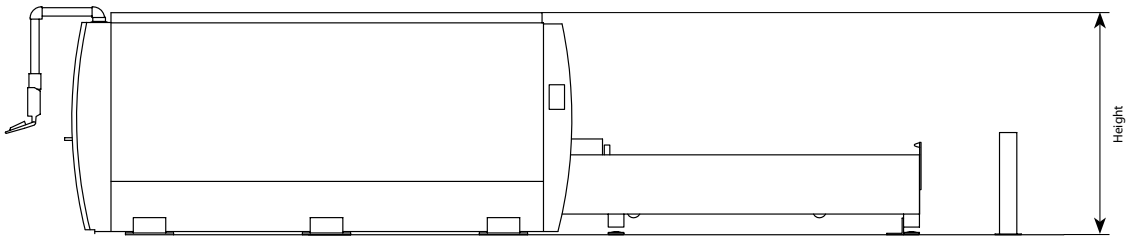
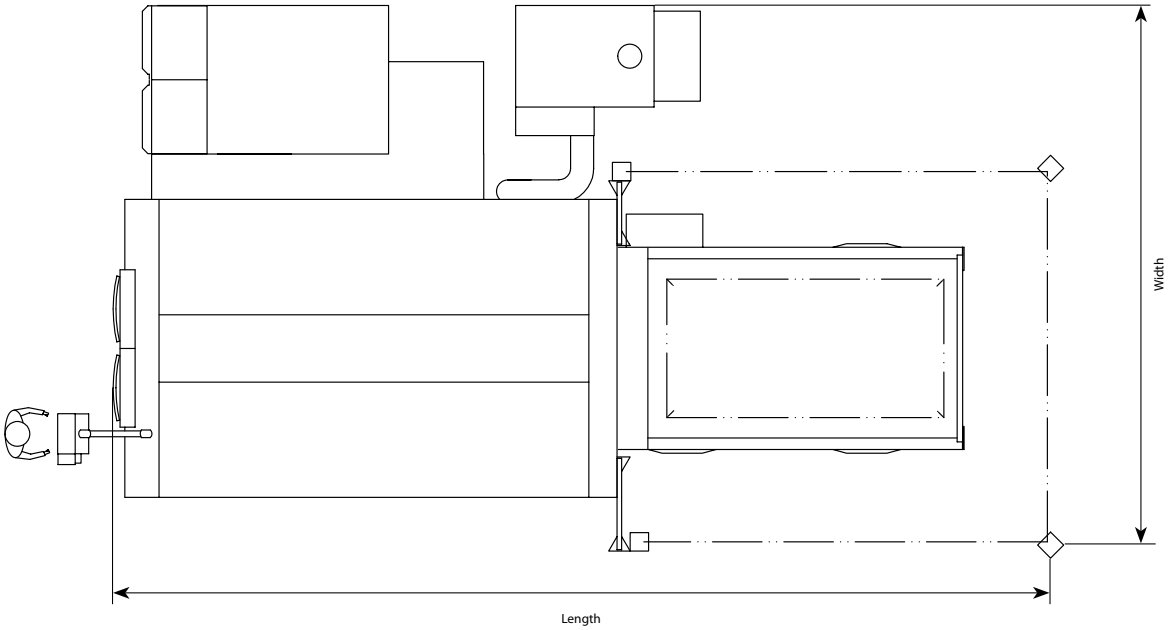
Technical Data

BySprint Fiber 3015





	BySprint Fiber 3015
Length	10 150 mm
Width	6200 mm
Height	2500 mm

Laser cutting system	BySprint Fiber 3015
Nominal sheet size	x = 3000 mm y = 1500 mm
Cutting area	x = 3048 mm y = 1524 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	750 kg
Machine weight**	12 000 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 2000	Fiber 3000	Fiber 4000	Fiber 6000
Power	2000 W	3000 W	4000 W	6000 W
Wavelength	1 µm	1 µm	1 µm	1 µm
Polarization	unpolarized	unpolarized	unpolarized	unpolarized
Pulse frequency	1–2500 Hz	1–2500 Hz	1–2500 Hz	1–2500 Hz
Maximum sheet thicknesses***				
Steel	12 mm	20 mm	20 mm	20 mm
Stainless steel	6 mm	12 mm	15 mm	15 mm
Aluminum	8 mm	12 mm	15 mm	15 mm
Brass	4 mm	6 mm	8 mm	10 mm
Copper	3 mm	6 mm	8 mm	10 mm
Maximum electric consumption of the total system******	17,3 kW	19,4 kW	23 kW	29 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
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