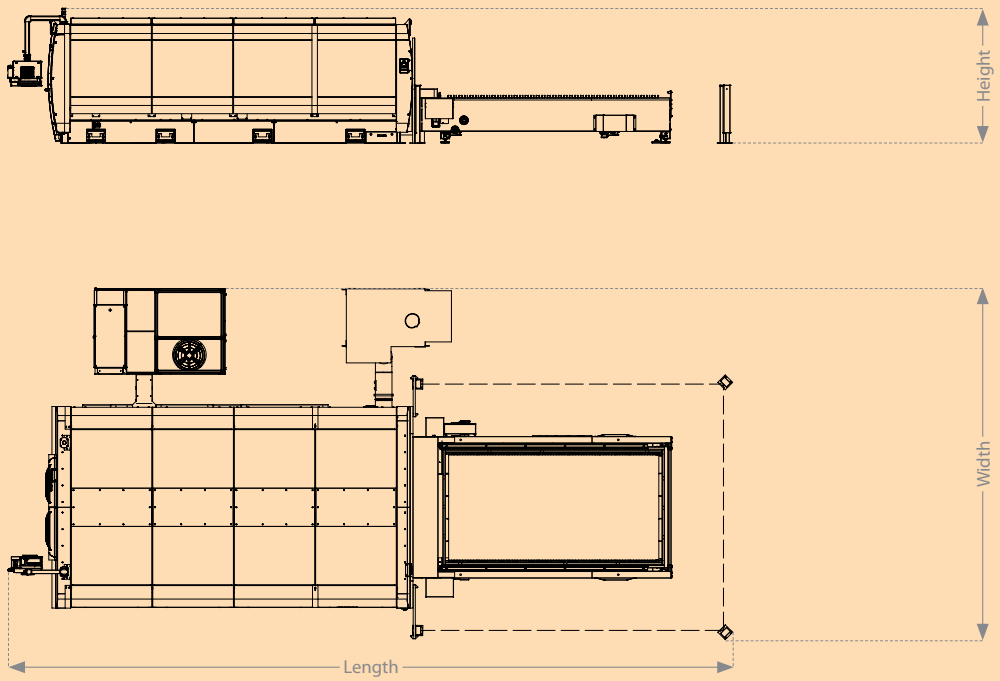
Technical Data
BySprint Fiber

	BySprint Fiber 3015	BySprint Fiber 4020	BySprint Fiber 6520	
Length	11 018	13 743	19 409	mm
Width	6051	6659	6659	mm
Height	2565	2565	2565	mm



Laser cutting system		BySprint Fiber 3015	BySprint Fiber 4020	BySprint Fiber 6520	
Nominal sheet size	x y	3000 1500	4000 2000	6500 2000	mm
Cutting area	x y z	3048 1524 70	4064 2024 70	6614 2024 70	mm
Maximum positioning speed parallel axis x, y		100	100	100	m/min
Maximum simultaneous positioning speed		140	140	140	m/min
Positioning accuracy Pa*		± 0,1	± 0,1	± 0,1	mm
Repeatability Ps*		± 0,05	± 0,05	± 0,05	mm
Maximum workpiece weight		890	1580	2550	kg
Machine weight**		12000	15000	21500	kg
Operation via panel		ByVision Touchscreen and manual control unit			

Laser source	Fiber 2000	Fiber 3000	Fiber 4000	Fiber 6000	
Power	2000	3000	4000	6000	W
Control range	200–2000	300–3000	400–4000	600–6000	W
Wavelength	Fiber	Fiber	Fiber	Fiber	
Maximum sheet thicknesses***					
Steel	12	20	20	20/25[1]	mm
Stainless steel	6	12	15	15/30[1]	mm
Aluminum	8	12	15	15/30[1]	mm
Brass	4	6	8	10/15[1]	mm
Copper	3	6	8	10/12[1]	mm
Total electrical consumption of system**** **(3015/4020 + 6520)**	17,3/–	21,3/22,7	25,3/26,7	30/31,4	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

[1] with Power Cut Fiber (option)

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

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* Trust Pack Fiber: Extended warranty on high-quality laser source parts

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