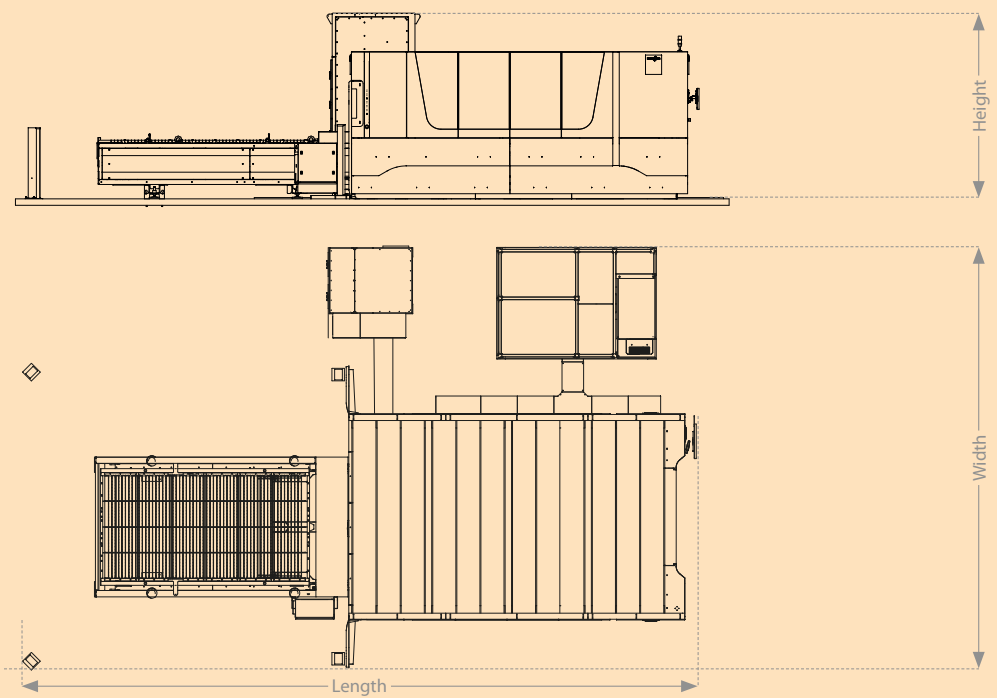


Technical Data

BySmart Fiber (new)

BySmart Fiber
3015

Length	411	inch
Width	257	inch
Height	113	inch



Laser cutting system

BySmart Fiber
3015

Nominal sheet size	x	120	inch
	y	60	
Cutting area	x	122	inch
	y	62	
	z	4	
Maximum positioning speed parallel axis x, y		3937	inch/min
Maximum simultaneous positioning speed		5511	inch/min
Positioning accuracy Pa*		± 0.004	inch
Repeatability Ps*		± 0.002	inch
Edge detection accuracy		± 0.02	inch
Maximum workpiece weight		2425	lbs
Machine weight**		28,660	lbs
Operation via panel		ByVision Cutting 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	0.500	0.750	0.750	1.000	inch
Stainless steel	0.250	0.500	0.620	1.250	inch
Aluminum	0.312	0.500	0.620	1.250	inch
Brass	0.160	0.250	0.312	0.625	inch
Copper	0.120	0.250	0.312	0.500	inch
Total electrical consumption of system****	17.3	21.3	25.3	30	kW

* Following ISO 230-2:2006(E)

** 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.

Cutting | Bending | Automation
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