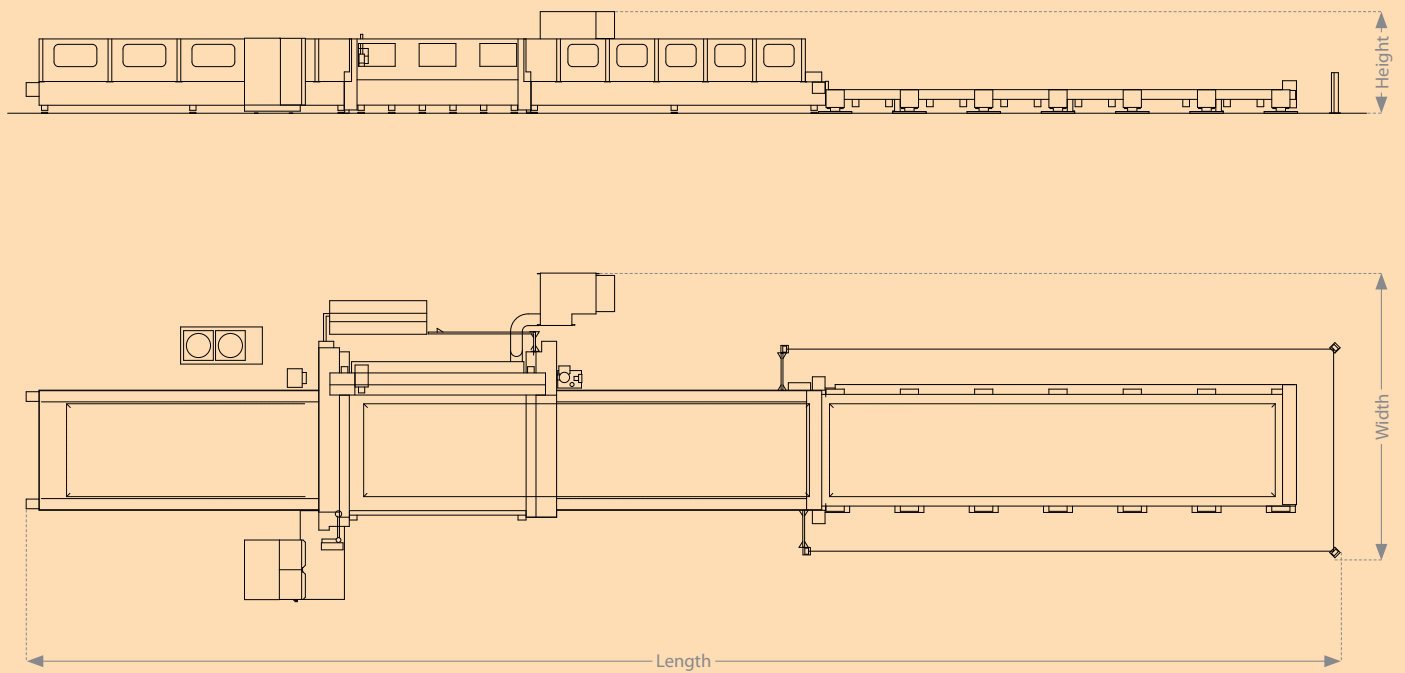


Technical Data

Bystar L

	Bystar L 4025-65	Bystar L 4025-80	Bystar L 4025-120	
Length	18700	23200	35200	mm
Width	7500	7500	7500	mm
Height	2350	2350	2350	mm



Laser cutting system		Bystar L 4025-65	Bystar L 4025-80	Bystar L 4025-120	
Nominal sheet size	x	6500	8000	12 000	mm
	y	2500	2500	2500	
Cutting area	x	6500	8000	12 000	mm
	y	2540	2540	2540	
	z	170	170	170	
Maximum positioning speed parallel axis x, y		60	60	60	m/min
Maximum simultaneous positioning speed		85	85	85	m/min
Positioning accuracy Pa*		± 0,1	± 0,1	± 0,1	mm
Repeatability Ps*		± 0,05	± 0,05	± 0,05	mm
Maximum cutting speed		50	50	50	m/min
Repetition accuracy of the cutting table during repositioning		± 0,2	± 0,2	± 0,2	mm
Maximum workpiece weight		3200	3900	6000	kg
Machine weight**		32 000	34 000	42 500	kg
Operation via panel		ByVision Touchscreen and manual control unit			
Circumscribed circle diameter of the rotary axis		15–315	15–315	15–315	mm

Laser source		ByLaser 4400	ByLaser 6000	
Power		4400	6000	W
Control range		150–4400	150–6000	W
Laser source dimensions	L	2890	2200	mm
	W	920	1100	
	H	1580	1750	
Weight		1600	1900	kg
Technology		CO ₂	CO ₂	
Maximum sheet thicknesses***				
Steel		25	25	mm
Stainless steel		20	25	mm
Aluminum		12	15	mm
Electrical consumption of total system****		56	78	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.

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