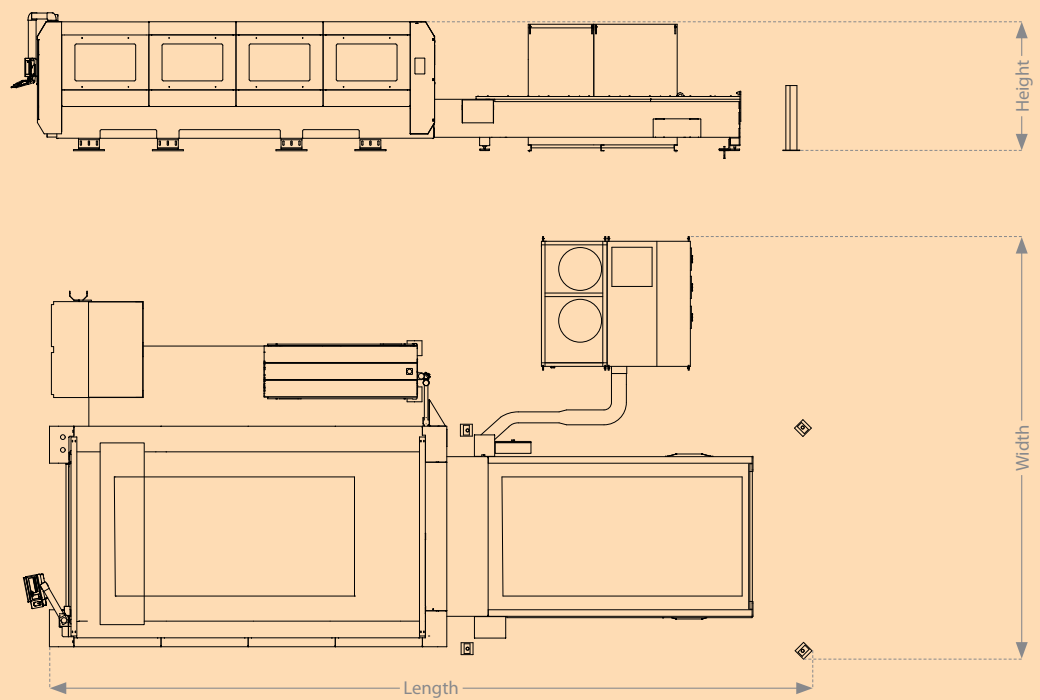


# Technical Data

## ByJin

	ByJin 3015	ByJin 4020	
Length	10 500	12 900	mm
Width	5 800	6 900	mm
Height	2 300	2 300	mm



## Laser cutting system

		ByJin Fiber 3015	ByJin Fiber 4020	
Nominal sheet size	x	3000	4000	mm
	y	1500	2000	
Cutting area	x	3048	4090	mm
	y	1500	2000	
	z	75	70	
Maximum positioning speed parallel axis x, y		100	100	m/min
Maximum simultaneous positioning speed		140	140	m/min
Positioning accuracy Pa*		± 0,1	± 0,1	mm
Repeatability Ps*		± 0,05	± 0,05	mm
Maximum workpiece weight		860	1570	kg
Machine weight**		9800	13 000	kg
Operation via panel		ByVision Touchscreen and manual control unit		

## Laser source

		ByLaser 4400	
Power		4400	W
Control range		150-4400	W
Laser source dimensions		2570	mm
		870	
		1560	
Weight		1700	kg
Wavelength		CO <sub>2</sub>	
Maximum sheet thicknesses***			
Steel		25	mm
Stainless steel		20	mm
Aluminum		12	mm
Electrical consumption of total system**** (3015/4020)		51/53	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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