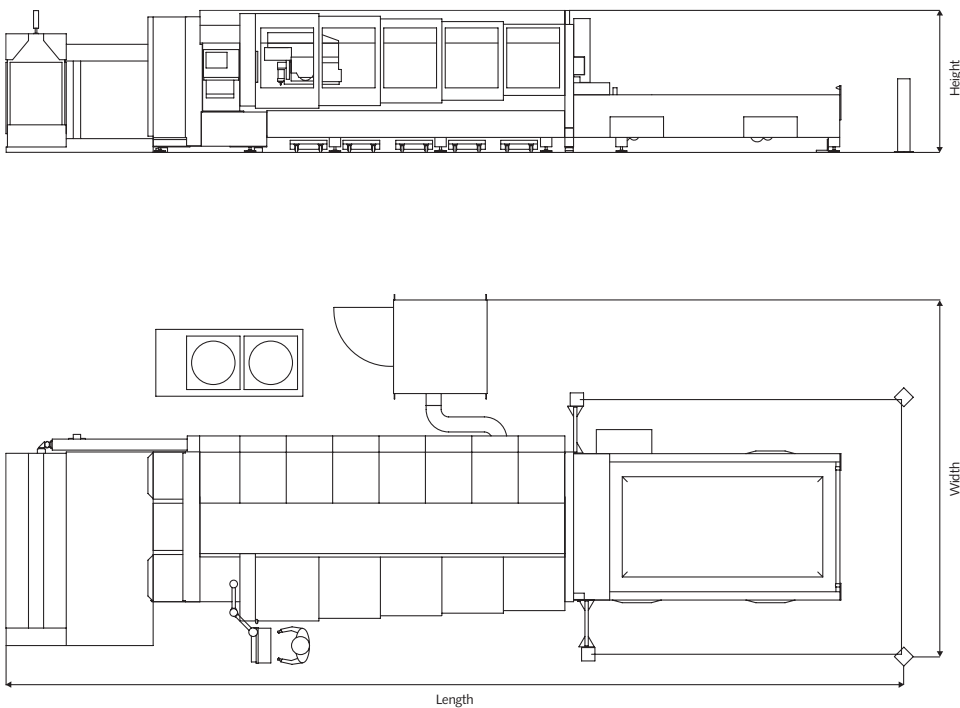


Technical Data Byspeed

Byspeed 3015



	Byspeed 3015	Byspeed 4020
Length	13 400 mm	9850 mm
Width	5300 mm	8450 mm
Height	2150 mm	2300 mm

Laser cutting system	Byspeed 3015	Byspeed 4020
Nominal sheet size	x = 3000 mm y = 1500 mm	x = 4000 mm y = 2000 mm
Cutting range	x = 3048 mm/ 120 in. y = 1524 mm/ 60 in. z = 100 mm/3.90 in.	x = 4064 mm/ 160 in. y = 2032 mm/ 80 in. z = 100 mm/3.90 in.
Maximum positioning speed axis parallel x, y	120 m/min	120 m/min
Maximum positioning speed simultaneous	169 m/min	169 m/min
Maximum axis acceleration	30 m/s ²	30 m/s ²
Positioning accuracy Pa *	± 0.1 mm	± 0.1 mm
Repeatability Ps *	± 0.05 mm	± 0.05 mm
Edge detection precision	± 0.5 mm	± 0.5 mm
Maximum workpiece weight	890 kg	1260 kg
Machine weight **	20 000 kg	26 000 kg
Base	normal, reinforced industrial floor according to assembly plan	
Cutting heads	5" and 7.5"	
Cutting gas consumption	dependent on material	
Operation via panel	with 15" touchscreen, keyboard and manual control unit	
Drives	3.5" floppy disk, 250 MB ZIP disk, CD-RW	
Network connection	RJ45 connector 10/100 MBit/s	

CO ₂ laser sources	Bylaser 4400	Bylaser 5200 ARC
Output	4400 W	5200 W
Wavelength	10.6 µm	10.6 µm
Polarization	circular	circular
Pulse frequency	1–2500 Hz	1–2500 Hz
Maximum sheet thickness ***		
Mild steel	25 mm	25 mm
Stainless steel	20 mm	20 mm
Aluminum	12 mm	12 mm
Maximum electric consumption of the total system ****	56 kW	61 kW

* According to VDI/DGQ 3441 measuring length 1 m. The precision of the sheet metal part depends on the material in question and on its previous handling as well as on the table size and its warming.

** Complete laser cutting system with rotating table without suction, cooling equipment and automation

*** In order to cut the maximum thickness, the following conditions must be met:

- Optimally suspended and set laser cutting system
- The materials must be of the quality demanded by Bystronic (laser materials)

**** Entire system with suction and cooling equipment

Changes to dimensions, construction and equipment are reserved. Certified in accordance with ISO 9001

Your contact

www.bystronic.com