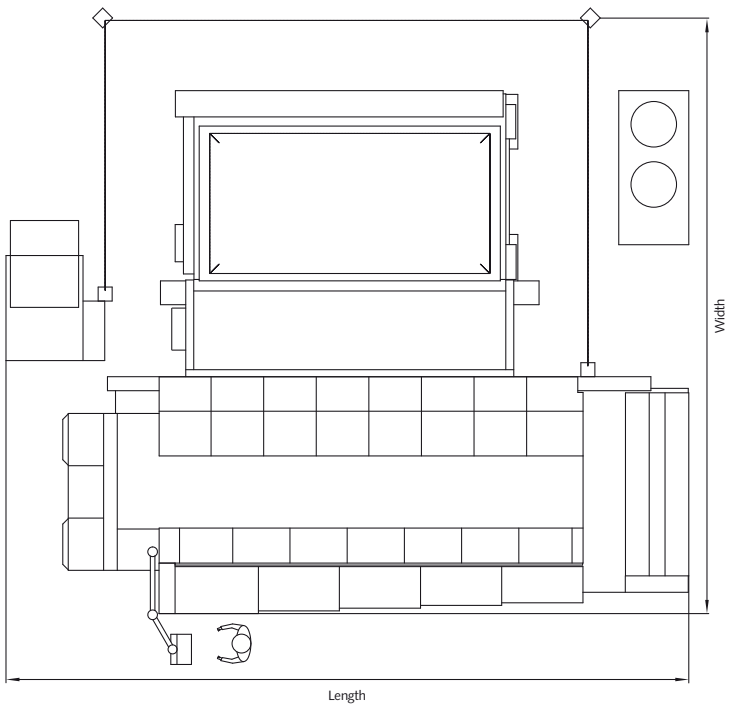
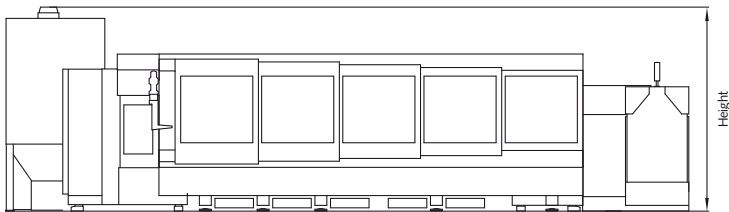


Technical Data

Byspeed



Byspeed 4020

Length	384 in
Width	333 in
Height	115 in

Nominal sheet size	x = 160 in y = 80 in
Cutting range	x = 4064 mm/ 160 in y = 2032 mm/ 80 in z = 100 mm/3.90 in
Maximum positioning speed axis parallel x, y	4700 in/min
Maximum positioning speed simultaneous	6650 in/min
Maximum axis acceleration	1180 in/s ²
Positioning accuracy Pa *	± 0.004 in
Repeatability Ps *	± 0.002 in
Edge detection precision	± 0.020 in
Maximum workpiece weight	2770 lbs
Machine weight **	57,200 lbs
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	DVD-RW, USB 2.0
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	1.000 in	1.000 in
Stainless steel	0.750 in	0.750 in
Aluminum	0.500 in	0.500 in
Maximum electric consumption of the total system ****	56 kW	61 kW

* According to VDI/DGQ 3441 measuring length 39 in. 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

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

Bystronic Best choice.

Laser | Bending | Waterjet
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