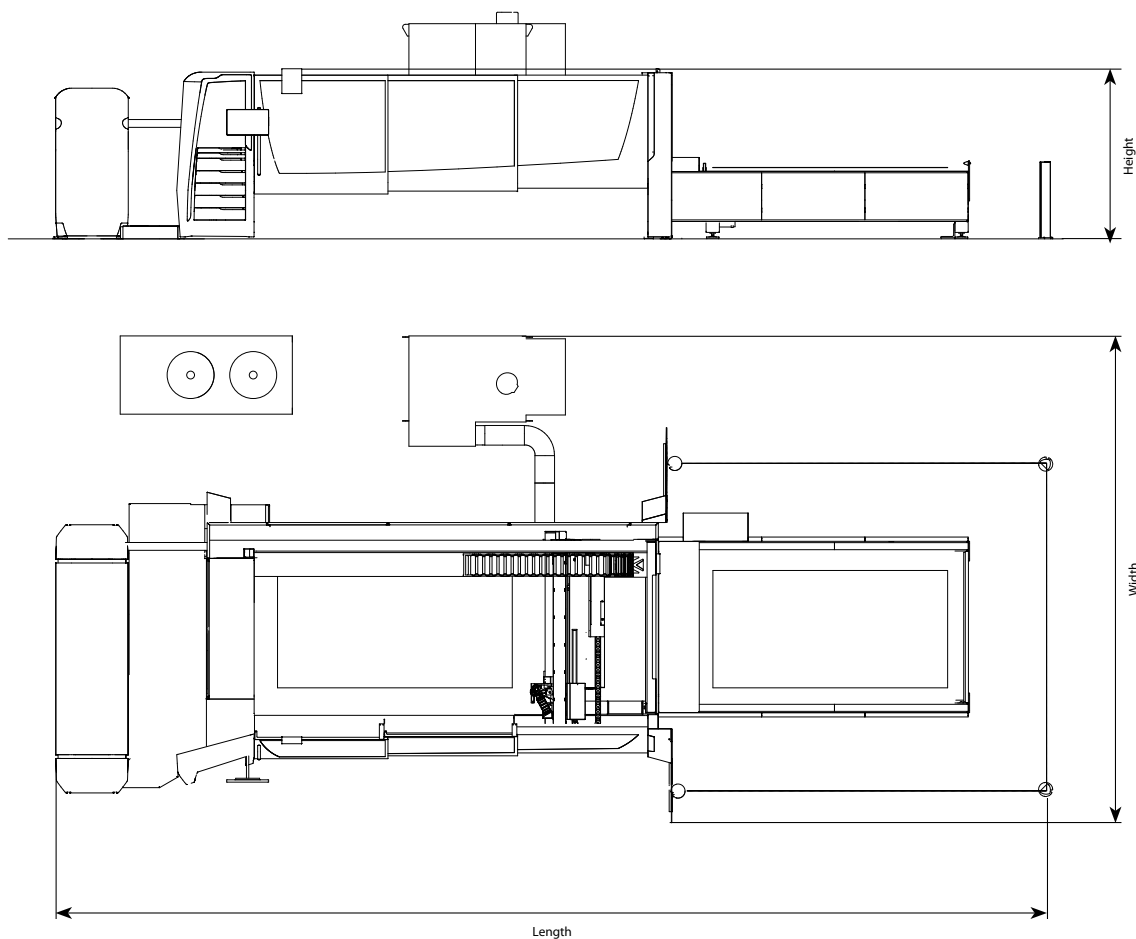


Technical Data

ByAutonom



	ByAutonom 3015	ByAutonom 4020
Length	12 750 mm	15 000 mm
Width	6 250 mm	7 700 mm
Height	2 400 mm	2 400 mm

Laser cutting system	ByAutonom 3015	ByAutonom 4020
Nominal sheet size	x = 3000 mm y = 1500 mm	x = 4000 mm y = 2000 mm
Cutting area	x = 3048 mm/120 in y = 1524 mm/ 60 in z = 80 mm/ 3,2 in	x = 4090 mm/160 in y = 2060 mm/ 80 in z = 80 mm/ 3,2 in
Maximum positioning speed parallel axis 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
Averaged, bilateral position deviation of one axis M*	0,1 mm	0,1 mm
Bilateral repeatability of positioning of one axis R*	0,05 mm	0,05 mm
Edge detection accuracy	± 0,5 mm	± 0,5 mm
Maximum workpiece weight	890 kg	1580 kg
Machine weight**	15 000 kg	24 500 kg
Foundation	normal, reinforced industrial floor according to assembly plan	
Cutting heads	5", 7,5" and 9" (ByLaser 6000)	
Cutting gas consumption	depending on material	
Operation via panel	with 21" touch screen, keyboard and manual control unit	
Disk drives	DVD-RW, USB 2.0	
Network connection	RJ45 connection 10/100 Mbit/s	
ByVision (see separate datasheet for specifications)	standard	

Laser source	ByLaser 4400	ByLaser 6000
Power	4400 W	6000 W
Wavelength	10,6 µm	10,6 µm
Polarization	circular	circular
Pulse frequency	1–2500 Hz	1–2500 Hz
Maximum sheet thicknesses***		
Steel	25 mm	25 mm
Stainless steel	20 mm	25 mm
Aluminum	12 mm	15 mm
Total electrical consumption of system****	51 kW	78 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.

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