

EX-3015/4020

Technical Specifications



Excalibur-3015



Excalibur-4020

4000 W UP TO 12000 W FIBER LASER

EX-3015|4020

Item	Specification	Unit
Cutting area	3000 4000 x 1500 2000	mm x mm
Maximum stroke X and Y axis	3010 4010 x 1525 2025	mm x mm
Z axis stroke	100	mm
X- and Y-axis positioning accuracy	±0.03	mm
Repositioning accuracy	±0.02	mm
Maximum positioning speed X- and Y-axis	120	m/min
Max. simultaneous X- and Y-axis positioning speed	180	m/min
Maximum acceleration X- and Y-axis	20	m/s ²
Maximum simultaneous X- and Y-axis acceleration	28	m/s ²
Maximum Z-axis acceleration	30	m/s ²
Maximum sheet weight	1000 1800	kg
Basic machine main dimensions	10115 x 3305 x 2090 12115 x 3805 x 2090	mm x mm x mm
Machine weight (including shuttle table)	12000 14500	kg
Maximum pressure oxygen cutting gas	10	bar
Maximum pressure nitrogen cutting gas	25	bar
Maximum pressure third cutting gas	25	bar
Minimum compressed air inlet pressure	6	bar
Maximum compressed air consumption	5	NI/s

ELECTRICAL INSTALLATION REQUIREMENTS

Item	Specification	Unit
Power supply	3 x 380	V
Net frequency	50	Hz

For more information contact sales.europe@prclaser.com

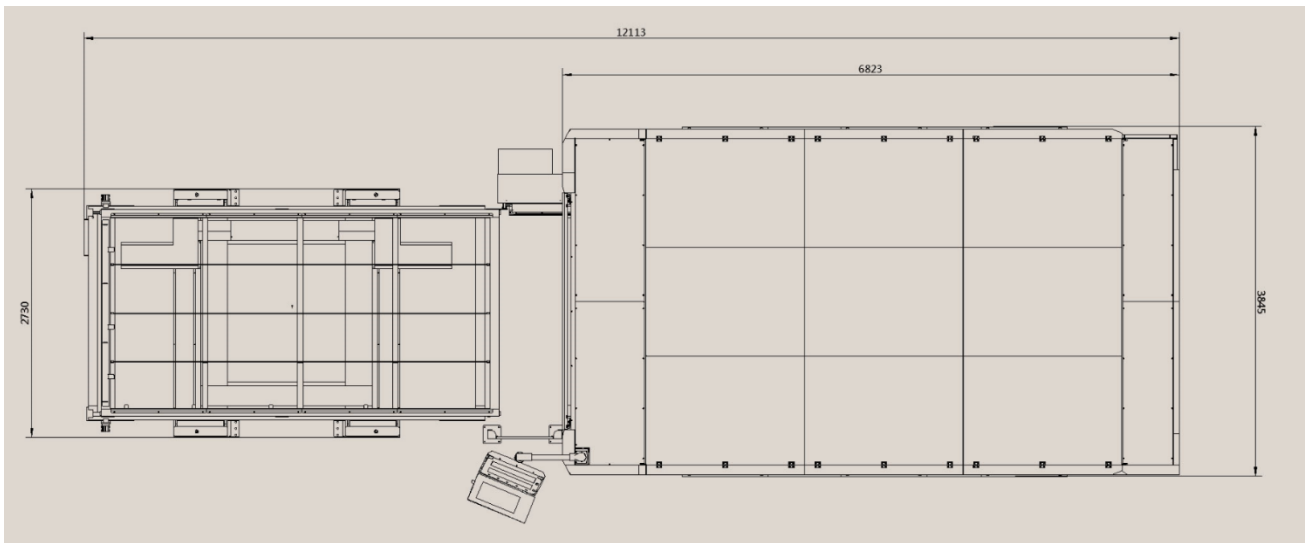
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MACHINE LAY-OUT

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NOTE: Machine lay-out is for reference only, complete lay-out depends on the configuration of laser source, chiller, dust collector and depends on your specific requirements!

- **Double-drive gantry flying optics laser cutting machine with lightweight aluminum bridge optimized for high dynamics without compromising parts cutting accuracy over the entire span of the working range.**
- **Designed for High Power Fiber laser beam delivery (4000W to 12000W).**
- **Heavy and rigid machine frame structure.**
- **Designed with shuttle table in front of the machine (operator panel side), giving the operator a full overview of the entire laser process.**
- **Advanced laser cutting features are easily accessible and the built-in intelligence allows simple manipulations of the cutting programs.**

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