

LY-12015/12025

Technical Specifications



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3000 W UP TO 6000 W FIBER LASER

LY-12015|12025

Item	Specification	Unit
Cutting area	12000 x 1500 2500	mm x mm
Maximum stroke X and Y axis	12050 x 1550 2550	mm x mm
X- and Y-axis positioning accuracy	±0.03	mm
Repositioning accuracy	±0.02	mm
Maximum positioning speed X- and Y-axis	100	m/min
Max. simultaneous X- and Y-axis positioning speed	130	m/min
Maximum acceleration X- and Y-axis	15	m/s ²
Maximum simultaneous X- and Y-axis acceleration	>20	m/s ²
Maximum Z-axis acceleration	25	m/s ²
Maximum sheet weight	4000 6500	kg
Basic machine main dimensions (including double table pallet changer)	26500 x 3075 4075 x 2100	mm x mm x mm
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

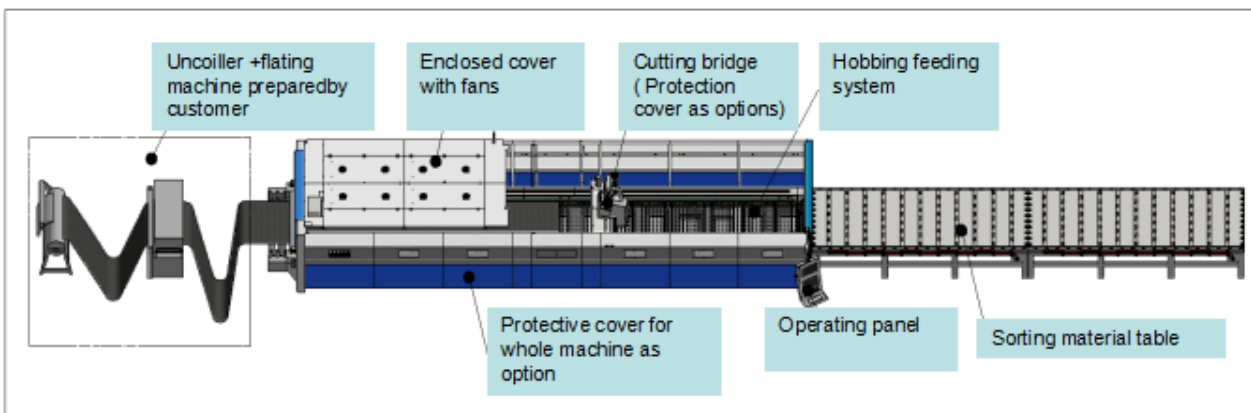
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- **Advanced “Single” or “multiple head” laser cutting machine with compact layout for cutting long parts, available as “stand-alone” system or integrated in a “coil-cutting” production line, to cut long parts for e.g. store shelves, trucks, buses, etc... Table size of 12m x 1.5m & 12m x 2.5m.**
- **Can be equipped with up to 3 independent laser cutting heads (3 gantry bridges), which can all run simultaneously, offering greatly increased production capacity.**
- **Double-drive gantry flying optics laser cutting system. The lightweight gantry bridges have been optimized to have an extreme high stiffness allowing to reach very high dynamics without compromising the accuracy of the parts over the entire span of the width of the working range.**
- **The compact design of the Z-axis offers an optimum weight distribution, while keeping the access for the operator to the cutting head easy and straightforward.**
- **Designed for laser beam delivery by optical fiber (3000W to 6000W).**
- **For “coil-cutting line integration”, the machine is equipped with a special “rolling cutting bed”, which also serves for the feeding of the material and the unloading of the finished parts, with output sorting system. See below example.**



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