

MERCURY FIBER

X,Y & Z AXES MEDIUM-LARGE SIZE PROFESSIONAL CUTTING SYSTEM
WITH FIBER LASER SOURCES



Cutting head with capacitive sensor

- **Mercury Fiber** is a laser cutting system manufactured by **SEI Laser** for metals and metal alloys processing.
- The main features of **Mercury Fiber** system are: linear motors, high speed and high acceleration, very easy maintenance and long life of the laser source. The system's reduced size makes it suitable for each production area.
- **Mercury Fiber** is equipped with high-power fiber laser (1070 nm) with high-quality laser beam; in comparison to the traditional CO₂ laser systems, it enables higher speed and accuracy of the cutting process making it less expensive thanks to the low consumption of electric energy and to the easy maintenance.
- **Mercury Fiber** is a Class 1 system which keeps the working room safe and clean. The system is equipped with an automatic telescopic opening and closing cover, windows on the front side of the system with specific protection window and a working table with fumes and dust extraction.
- ICARO software (CAM) with easy and powerful interface, operating with Windows™ system.
- **Mercury Fiber** by **SEI Laser**...where experience matters!

T H E L A S E R W A Y





Fully cleared working area with fixed table



Class 1 safety enclosure with inspection windows



Loading/unloading tables with dual pallet

Main technical features:

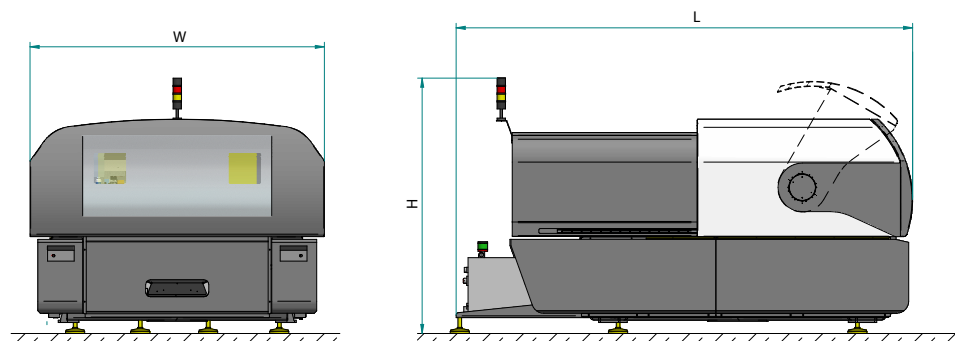
Available standard models	1215 - 1520 - 1530 - 2040
Working area for standard models (mm)	1250 x 1500 - 1500 x 2000 - 1500 x 3080 - 2000 x 4000
Available models on demand	107
Working area for available models on demand (mm)	1000 x 700
Available power (W)	500 / 1000 / 1500 / 2000
Repeatability with fixed table (mm)	< 0.05
Acceleration (programmable) (m/s ²)	up to 20
Axes X-Y-Z resolution (mm)	0.001
Accuracy (mm)	+/- 0.05
Input data formats	DXF, PLT, EPS, AI, PDF, ISO (owner G-Code)
Software interface	CAM Icaro on Windows™ platform
Norm compliance	2006/95/CE Low Voltage Directive 2006/42/CE Machinery Directive 2004/108/CE Electromagnetic Compatibility Directive CEI EN 60825-1 Laser



Available options that increase flexibility:

- Loading/unloading tables with dual pallet
- Motorized steel conveyor belt, at the bottom of the working area, for waste removal
- Marker detection with CCD Camera and Software for accurate cutting on printed or marked material
- Fume exhaust fan (pump) & filtration

	1215	1520	1530	2040
L	3800	4090	5050	5650
W	2430	2750	2750	3370
H	2150	2150	2150	2150



The product is CE marked.
Features and system requirements may change without notice.