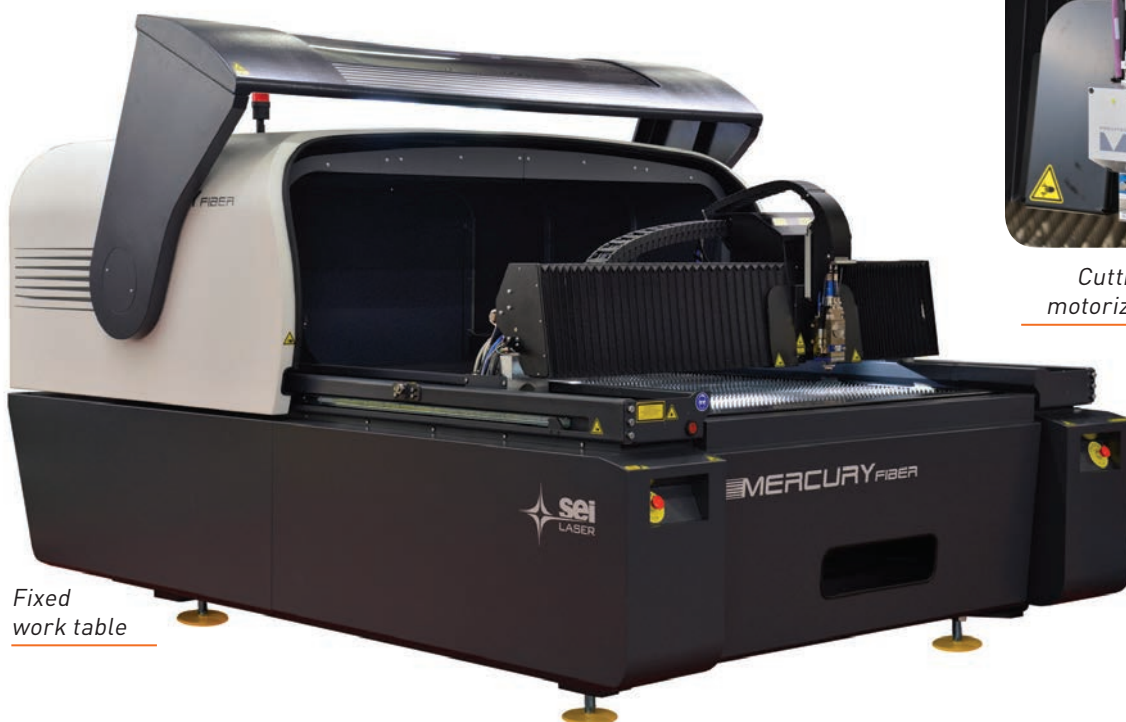




MERCURY FIBER

Accuracy, productivity and reliability for professionals in the metal cutting industry

- **Mercury Fiber** is a fiber laser cutting system manufactured by SEI Laser for thin metals and metal alloys processing.
- The main features of **Mercury Fiber** are:
 - » ease to use
 - » high precision and repeatability of the cutting edge combined with industry-leading performance thanks to the linear motors and to the control algorithms developed in SEI Laser
 - » zero maintenance, outstanding mechanical durability and long life of the laser source
 - » versatility thanks to its compact dimensions and the easy access to the three-sided working area
 - » flexibility due to the different configurations that make the system suitable for each environment and production site.
- **Mercury Fiber** is equipped with high-power fiber laser (1060-1070 nm wavelength) and with customized high-quality laser beam.
- **Mercury Fiber** is a Class 1 system which keeps the working area 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** (CAD/CAM), specifically developed by SEI Laser for the metal process industry, allows the easy setting of the laser parameters and the easy import of the files.
- **Mercury Fiber** can be integrated into automated digital control production processes and it is in compliance with the Industry 4.0 certification.



Fixed work table



Cutting head with motorized focal lens

MERCURY FIBER

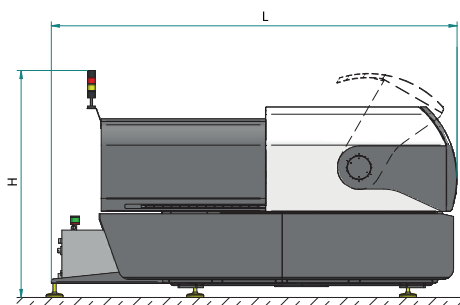
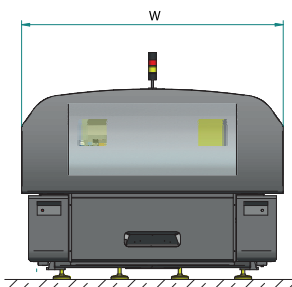
Main technical features:

Available standard models	1208 - 1215 - 1520 - 1530 - 2040
Working area for standard models (mm)	1200 x 800 - 1250 x 1500 - 1500 x 2000 - 1500 x 3080 - 2000 x 4000
Available power (W)	500 / 1000 / 1500 / 2000 / 3000
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	BMP, JPEG, DXF, PLT, EPS, AI, PDF
Software interface	CAD/CAM Icaro
Norm compliance	2014/35/UE Low Voltage Directive
	2006/42/CE Machinery Directive
	2014/30/UE Electromagnetic Compatibility Directive
	IEC EN 60825-1 Laser Safety

Available options that increase flexibility:

- Motorized steel conveyor belt for waste disposal
- Vision system for registry cutting, single or multi printing markers, 2D/3D barcode reader, RGB radial/rectangular lighting circuit
- Rotary attachment (max. Ø: 100 mm)
- 2nd laser head for hardening treatment
- Live view camera
- Elevator and automatic mobile tables
- Optical safety barriers or laser scanner detection for the protection of the mobile tables
- Motorized focal lens (SW controlled)

	1208	1215	1520	1530	2040
L	2110	3800	4090	5050	5650
W	2356	2430	2750	2750	3370
H	1855	2150	2150	2150	2150



Dual tables for loading/unloading



Automatic telescopic opening and closing cover, protection window