

Innovative Fiber Laser Cutting Technology



WM | SERIES - F - LITE



WHALE MACHINERIES

A Unit of Whale Enterprise

A Versatile and extensive range

WM | SERIES - F - LITE

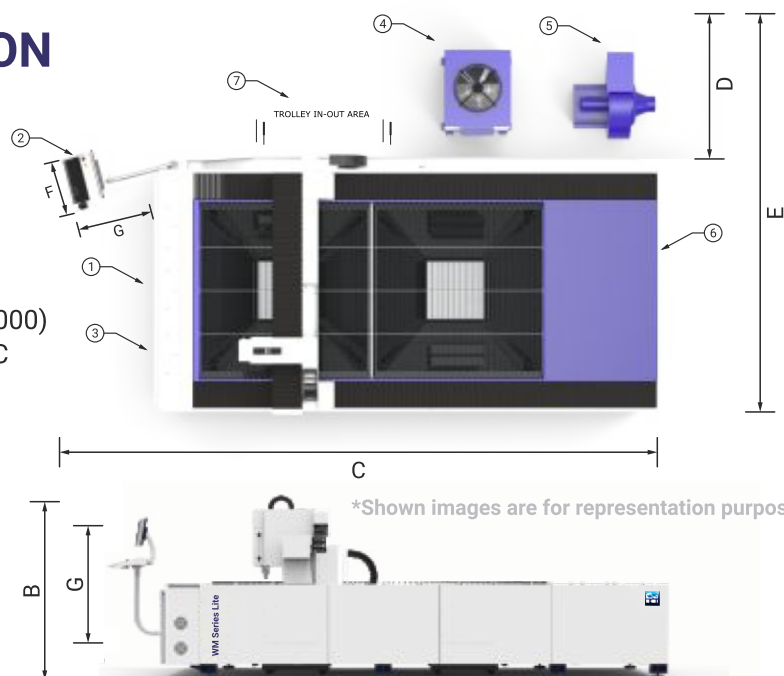
WM Series - F - Lite is Whale Machineries baseline laser cutting machine designed to provide the best value for price in the market. Whale Machineries is popular for intervening in the industry with pioneering innovations and this laser system provides excellent cutting quality as well as superior productivity. With its relentless attributes, it is turning out to be the favorite of fabricators.

WM Series - F - Lite is a by-product of Whale Machineries trademark Fiber Laser cutting series which stands tall in reliability, efficiency and productivity. It is designed for fabricators ready to start with Laser cutting technology and expecting productivity at an affordable price and minimum lead time for supply made to order.

TECHNICAL SPECIFICATION

Sr. No. Part

- 1 Machine
- 2 Operating Panel
- 3 Inbuilt Control Panel
- 4 Chiller (L1000 x W1200)
- 5 Fume Extractor (L1100 x W1000)
- 6 Laser Source with Cabinet AC
- 7 Part Collection Tray



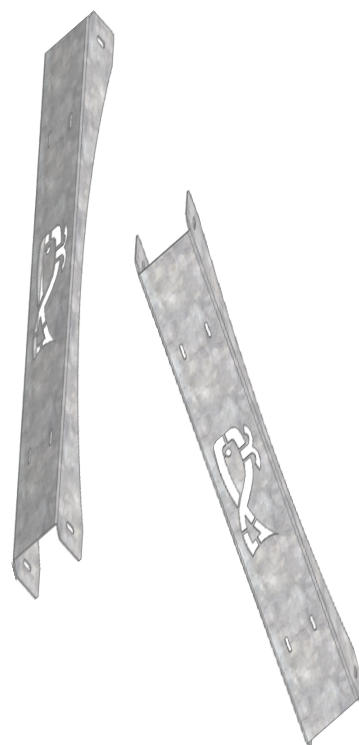
*All Dimensions may vary from Actual.

*All the above Figures are in mm (Millimeter).

Sr.No.	MODEL	WM-F-LITE 3015	WM-F-LITE 6025
A	Machine Width	2450	3250
B	Machine Height	2200	2600
C	Machine Length	4850	8500
D	Space Required for Accessories	1150	1150
E	Total Machine width with Accessories	3600	4500
F	Width of Operating Panel	550	550
G	Length of Operating Panel	850	850

CUTTING CHART











S.No.	MATERIALS	1.5 KW	3 KW	6 KW	12 KW
1	MILD STEEL (O2)	10 MM	16 MM	20 - 22 MM	40 MM
2	STAINLESS STEEL (N2)	5 MM	8 MM	12 MM	28 MM
3	ALUMINIUM (N2)	4 MM	6 MM	10 MM	26 MM
4	BRASS (N2)	4 MM	6 MM	10 MM	26 MM
5	COPPER (O2)	3 MM	5 MM	8 MM	15 MM

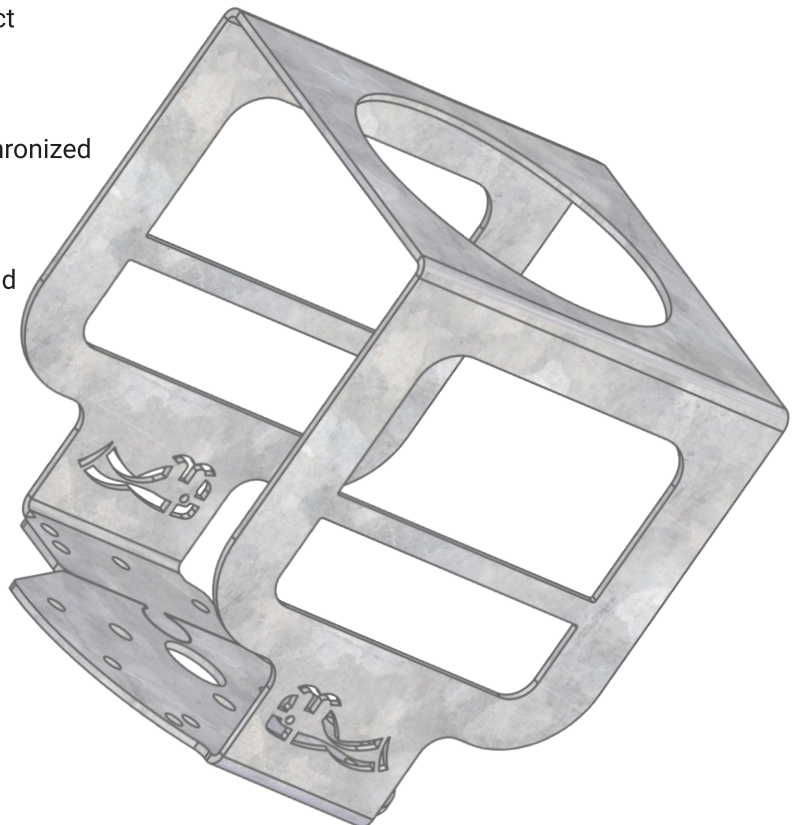


SPECIFICATION

Laser Source	IPG / RAYCUS / MAX / JPT	Rack & Pinion	YYC
Working Area	3000 x 1500 / 4000 x 2000 / 6000 x 2000	Electronic Pressure Regulator	SMC
Drive Motors	Yaskawa or Panasonic AC Servo Motors	Gas Line & Filter	SMC
Cutting Head	Raytools Auto-Focus	Gearbox	YYC
Z Axis	150 mm	Acceleration	1.0 G
Z Axis with Dual Pallet	250 mm	Position Accuracy	$\leq \pm 0.05$ mm / m
LM Rails X, Y	HIWIN	Repositioning Accuracy	$\leq \pm 0.03$ mm
Chiller	HEXACOOOL	Maximum Rapid Speed	80 meters / min
CNC Controller	FS Cut / CYP Cut	Cutting Speed	20 meters / min

FEATURES

-  Durable Rack-and-Pinion motion system seconds.
-  Back panel with climate control AC for electronics.
-  Top drag chain concept making machine compact and safer.
-  Light weight Gantry for high dynamics with synchronized dual servo motors.
-  Isolated HV protected control panel specially build
-  To work in unfavorable electrical conditions.
-  Auto Focus Cutting Head
-  Machine dynamics 200 holes / min.
-  Fireproof bellow for safety
-  Dust proof gas line for gas flow





THE COMPANY

Under the visionary leadership of our Managing Director, Mr. Mark Warmington, Whale Tankers aims to establish the "WHALE" brand on a global scale. Harnessing innovative technology, dedicated research and expertise, our vision has evolved into a mission, embarked on a remarkable journey with the creation of a new division "WHALE MACHINERIES"- Commitment to Excellence, aimed at serving global markets.

OUR STORY

Our journey began with the vision of creating a comprehensive range of tankers that meet the specific requirements of Indian applications. With over five decades of experience in Europe, we brought our expertise and philosophy to India, focusing on delivering long-term value to our customers.

TRAINING

Central to Whale's success is not only the training of its staff but also the provision of structured training for its product. This meets the changing needs of today's laser solutions. The company is also respected for its onsite commissioning of all new products.

QUALITY

Whale Machineries cares about quality across all aspects of its business. Indeed it is a word that characterises the company. Whale complies to ISO 9001 : 2015 accredited by TUV, Europe and all Whale products fully comply with all relevant legislation and regulations. It also has the benefit from being supported by its UK parent company Whale Tankers the largest manufacturer of vacuum tankers and jetting equipment in Europe.

Reliability, Service, Value ... for Life

WHALE MACHINERIES
A Unit of Whale Enterprise

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