OMEGA INNOVATION
"DELIVERING EXCELLENCE"

cutting

InLaser-1530E / 1530H / 2040H

* The supreme fusion of potent cutting prowess!

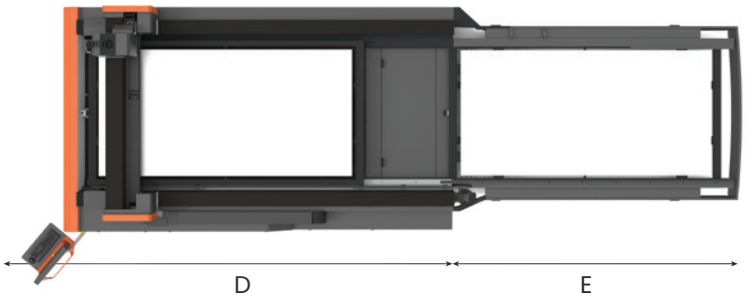
Fiber Laser Cutting Machine

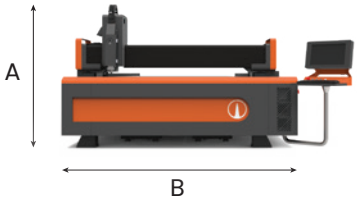
www.omegainnovation.in

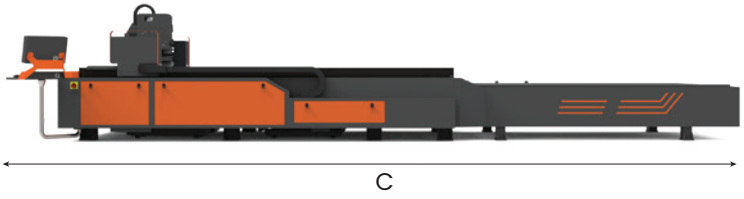
Laser cutting is a fabrication process that employs a focused, high-powered laser beam to cut material into custom shapes and designs. This process is suitable for a wide range of materials, including metal, and can produce precise, intricate, and complex parts without the need for custom-designed tooling.

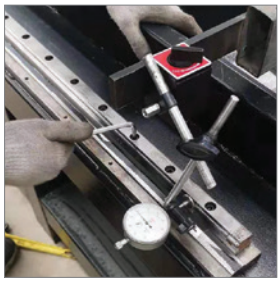
There are several different types of laser cutting available, including fusion cutting, oxidation cutting, and stamping. Each laser cutting process can produce parts with precision, accuracy, and high-quality edge finishes, and with generally less material contamination, physical damage, and waste than with other conventional cutting processes, such as mechanical cutting and water jet cutting. However, while laser cutting demonstrates certain advantages over more conventional cutting processes.

Dimension (mm)	
A	1720
B	2670
C	8600
D	5200
E	3400







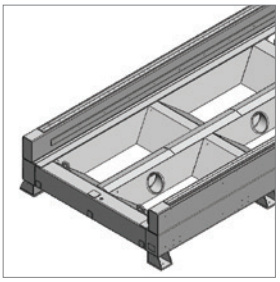


PRECISION
ALIGNMENT

HIGH PERFORMANCE
SERVO MOTOR

LOW BACKLESS
GEAR BOX

HIGH PRECISION
RACK AND PINION



HIGH RIGIDITY
STRUCTURE

Omega Innovation

A-82, Swarnim Industrial Park,
Bakrol Dhamatvan Road, Bakrol (Bujarang), Ahmedabad - 382430, Gujarat, India

SPECIFICATION

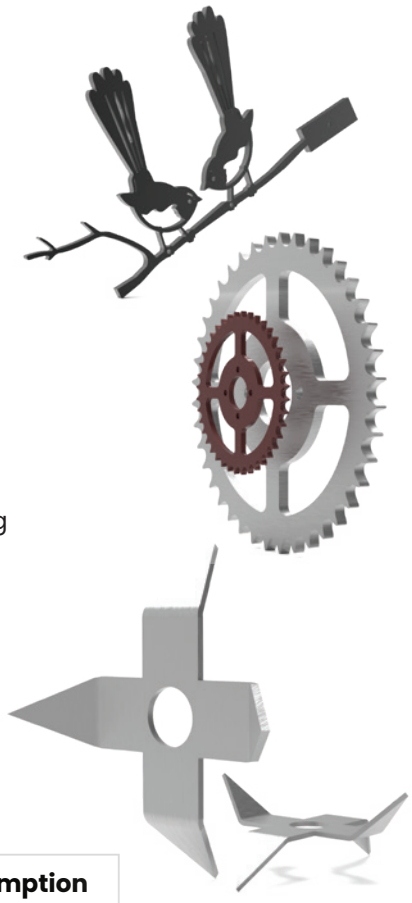
Series	Economical Product	High-power Product
Model	InLaser-1530E	InLaser-1530H / 2040H
Laser Power (W)	1000-3000W	1000-6000W
Laser Type	Fiber Laser / 1070 - 1080 nm	
Working Area (mm)	3050 × 1550	3050 × 1550 / 2050 x 4050
Max. Linked Speed (m/min)	80	100
Max. Acceleration	1G	1.2G
Positioninc Accuracy (mm)	±0.03 / 1000	
Repeatability (mm)	±0.02 / 1000	
Machine Weight (kg)	~3500	~5000
Power Required	380 - 420VAC / 50Hz 3ø	

INDUSTRIES

- Sheet Metal Fabrication
- Food And Beverages
- Panel Board
- Electronics
- Elevators and Escalators
  Agriculture Machinery, Racks
  Gems and Jewelry
- Oil and Food Processing
  Machinery Architecture
  Furniture Commercial and
  Consumer Goods Textile
- Tool and Tooling

FEATURES

- AC servo motor technology for high speed and high precision movement control
- Greater cutting precision and accuracy
- Higher quality edges
- Narrower kerf widths
- Smaller HAZ and less material distortion
- Less material contamination and waste
- Lower maintenance and repair costs
- Greater operator safety
- High strength and rigid
- Fly-Cut
- Auto sheet height sensing system
- Auto Focus Head
- Spike-resistive electric panel
- Optimized nesting software
- Anti-Collision Mechanism
- Bending Line & Part Number Marking
- Auto Lubrication System



SPEED CHART

Material Thickness (mm)

Laser Power / Material	MS	SS	AL	BR	CU	GI	Max. Power Consumption
1kW	10	3	NA	NA	NA	3	10kW
1.5kW	12	4	3	3	2	3	12kW
2kW	16	5	5	5	3	3	17kW
3kW	20	8	8	6	5	3	20kW
4kW	22	10	10	8	6	3	25kW
6kW	25	16	16	10	8	3	32kW

* Omega Innovation retains the right to make modifications without prior notice.

Enhanced products designed for convenience and sustainability,
providing detailed information whenever required!

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