



**Fiber Laser**  
**Metal Cutting Machine**



**Description:**

Metal processing is the fastest growing industry globally, Our **LRA ECO Series** are more efficient and gives business opportunities in various industries such as Railways, Automobile, Energy, Defense and aerospace, home appliance, Gym Equipment, kitchenware etc.

With our machines you can cut Mild Steel, Stainless Steel, Coated Stainless Steel, and High-Strength steel, Aluminium, Brass, Copper, Nickel and other ferrous & non-ferrous alloys easily.

This machine perfectly suits to produce million parts of metal processing industry from low to high volume requirements of the customers.

Multiple annual maintenance options are there for your customers based on laser power where well trained service team dedicated for these machines.

**Materials to Cut:**

- Stainless Steel
- Mild steel
- Carbon Steel
- Aluminium
- Brass
- Copper



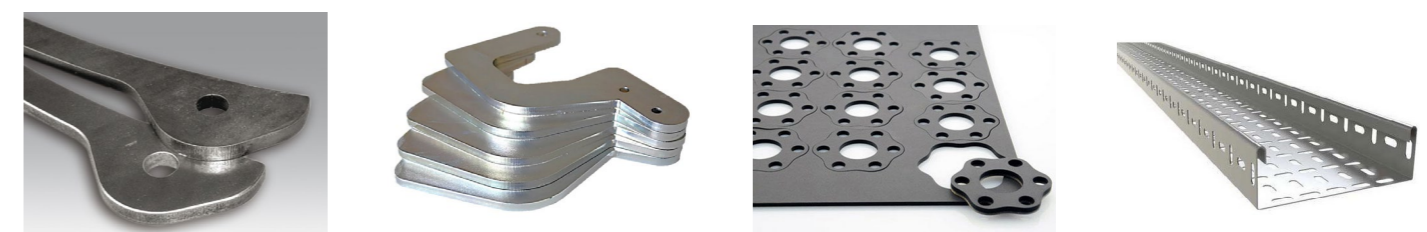
**Features:**

- Durable Rack-and-Pinion motion system.
- Light weight Gantry for high dynamics with synchronized dual servo motors.
- Auto Focus Cutting Head.
- Machine dynamics 200 holes / min.
- Fireproof bellow for safety .
- Dust proof gas line for gas flow.
- Back panel with Climate Control AC for electronics.
- Isolated HV protected control panel specially build to work in unfavorable electrical conditions.
- Top drag chain concept will making machine compaq and more safe for fiber cable, gas pipes and other electrical connections.

**Specification:**

MODEL	LRA - ECO - 1000	LRA - ECO - 1500	LRA - ECO - 2000
Laser source	1 kW - OEM	1.5 kW - OEM	2 kW - OEM
Machine structure	Single / Dual Pallet	Single / Dual Pallet	Single / Dual Pallet
CNC Controller	FS 2000		
Cutting Head	Auto Focus		
Chiller	OEM		
Rack and pinion	M2 MADE IN TAIWAN		
Gearbox	M2 MADE IN TAIWAN		
LM Rails X	HIWIN / PMI		
LM Rails Y	HIWIN / PMI		
LM Rail Z	HIWIN		
Pressure Regulator	SMC		
Motor X	2 kW		
Motor X'	2 kW		
Motor Y	1.5 kW		
Motor Z	400 W		
Gas line	2 No		
Gas fliter	1 No		
Machine Gross weight	3500 Approx		
X axis	3000 mm		
Y axis	1500 mm		
Z axis	150 mm		
X Axis Rapid	80 m / min		
Y Axis Rapid	80 m / min		
Acceleration	0.7G		
Position Accuracy	≤ ± 0.05 mm / m		
Repositioning Accuracy	≤ ± 0.03 mm / m		
WARANTY	2 Years		

**Samples:**





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