

# CUTTING WELD & CLEAN



## COMPANY PROFILE

Las-Tronics Technology Pvt. Ltd. was established in 2011 with the aim of providing the high-tech and best quality products to the engineering field.

After the very short period of establish, Las-Tronics Technology Pvt. Ltd. have become the well-known metal laser cutting machine manufacturer by providing the best quality product with the latest technology and by providing best service support in its segment.

Values, Ethics, Integrity and above all Simplicity are and will always be the guiding principles of our business at every step.

We aim to be the leader in manufacturing high quality machinery in the world. We will differentiate ourselves from our competitors through our efforts on quality, technology & support to satisfy customer's needs.



## VISION

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To equip the small and medium industries with latest technology in sheet metal processes so that they also achieve perfection and sophistication in their end products at par with international quality norms, in an economical way.

## MISSION

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To provide high-tech solution covering many exclusive technical features to the small and medium sizes industries at affordable rate with best customer satisfaction in segment.

# WELD - CLEAN



## WELD Machine Data

Model	L 1000	L 1500	L 2000
<b>Laser Power</b>	<b>1000 Watt</b>	<b>1500 Watt</b>	<b>2000 Watt</b>
Modulation Frequency	1-5000Hz	1-5000Hz	1-5000Hz
Power Stability	+/- 2%	+/- 2%	+/- 2%
Wavelength (nm)	1070-1090	1070-1090	1070-1090
Fiber Cable length (m) *	10	10	10
Fiber Core Diameter (Micron)	50	50	50
BPP (M2) welding	1.5	1.5	1.5
Laser Consumption – Electrical (KW)	3.5	5	6.5
Chiller – Consumption Electrical (KW)	1.7	1.7	2.5
Unit power (KW)	6	7	9
Power supply	220/30A	220/30A	220/30A
Weight (Kg) +/- 10	220	220	250

\* Length optional 15mtr and longer.

## CLEAN Machine Data

Model	L 1500	L 2000
Power (W)	1500W	2000W
Power adjustment range (W)	10-100%	10-100%
Cleaning head weight (KG)	0.8KG	0.8KG
Scan width (MM)	0-50mm	0-50mm
Cooling method	Chiller	Chiller
Electricity	380V-50/60HZ	380V-50/60HZ
Maximum power consumption (W)	7000W	9000W
Operating temperature (°C)	5-35°C	5-35°C
Weight(KG)	180KG	240KG
Size (mm)	830X560X1050mm	1600X1200X1950mm
Cleaning efficiency: paint/floating rust 20um,	67.5m2/h	90m2/h
Cleaning efficiency: 20um greasy dirt, (m2/h)	90m2/h	120m2/h
Cleaning efficiency: titanium alloy oxide film/stainless	40.5m2/h	55m2/h

### Equipment characteristics and advantages

- ▶ Compact structure and nice shape, with high output power, stable energy, good beam mode, easy to operate, reliable performance and widely applied for industry.
- ▶ Stable performance of laser source
- ▶ High efficiency, high welding speed, Can realize the automatic production assembly line.
- ▶ Laser spot is adjustable upto 3mm.

### Quality Standard

- ▶ Manufacturers design, production and testing standards according to national standards for all devices ! CE approved.

### Equipment characteristics and advantages

- ▶ High power fiber laser cleaning.
- ▶ Non-contact cleaning, no damage to workpiece
- ▶ Precision positioning, selective cleaning, desired cleaning area can be applied to the workpiece.
- ▶ No need chemical detergent, no consumable. Safe & environment-friendly.
- ▶ Easy to operate ,Either portable or equipped with robot for automatic cleaning.
- ▶ High cleaning efficiency, time-saving.
- ▶ Stable laser cleaning system, free maintenance.

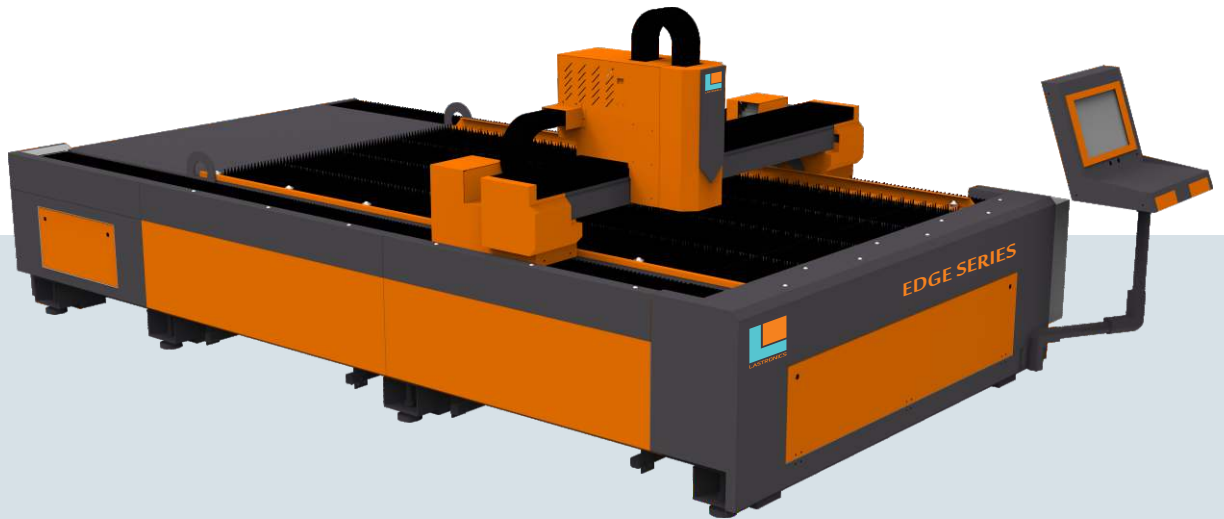
### Applications

- ▶ Metal surface rust removal
- ▶ Paint cleaning
- ▶ Oil stain, contaminant cleaning
- ▶ Coating surface cleaning
- ▶ Welding/Coating surface pre-treatment.
- ▶ Stone figure surface dust & attachment cleaning.
- ▶ Plastic mould residues cleaning

- ▶ Application based customised automation providing.

## FEATURES

# EDGE

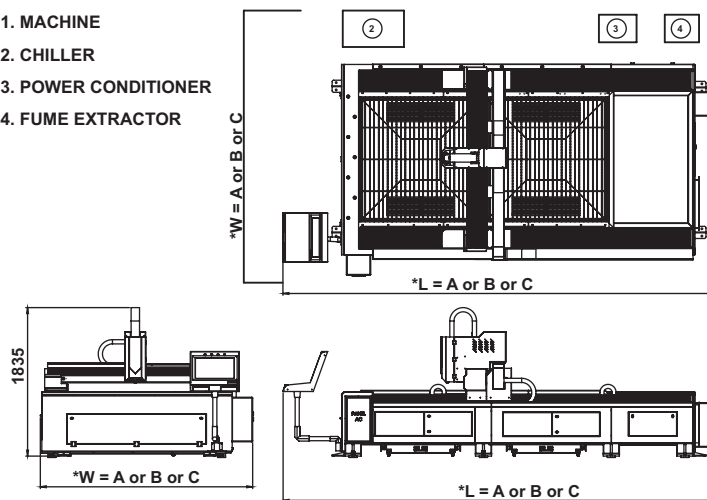


## Machine Data

### EDGE - Single Pallet without Enclosure

Working Range	EDGE 3015	EDGE 4020	EDGE 6520	EDGE 6525	EDGE 6530	Dimensions & weight	EDGE 3015	EDGE 4020	EDGE 6520	EDGE 6525	EDGE 6530
X axis	1550 mm	2100 mm	2100 mm	2600 mm	3100 mm	Length (L)	5700mm	6700 mm	9200 mm	9200 mm	9200 mm
Y axis	3050 mm	4100 mm	6500 mm	6500 mm	6500 mm	Width (W)	4000 mm	4500 mm	4500 mm	5000 mm	6000 mm
Z axis	150 mm	150 mm	150 mm	150 mm	150 mm	Height (H)	1835mm	1835mm	1835mm	1835mm	1835mm
<b>Max. Speed</b>						Weight (Approx.)	4000 kg	7000 kg	10500 kg	11500 kg	12500 kg
Simultaneous	100m/min	100m/min	100m/min	100m/min	100m/min						
<b>Accuracy</b>						<b>Laser Data</b>					
Position Deviation/m	+/- 0.1mm	+/- 0.1mm	+/- 0.1mm	+/- 0.1mm	+/- 0.1mm	Fiber Laser	1000 W	1500 W	3000 W	4000 W	6000 W
Repeatability	+/-0.03 mm	+/-0.04 mm	+/-0.05 mm	+/-0.05 mm	+/-0.05 mm		8000 W	10000 W	12000 W	15000 W	20000 W

1. MACHINE
2. CHILLER
3. POWER CONDITIONER
4. FUME EXTRACTOR



- ▶ Extremely compact: reduced overall footprint and simplified installation (foundations not required)
- ▶ Total accessibility for loading and unloading and for maintenance

## FEATURES

# ULTRA

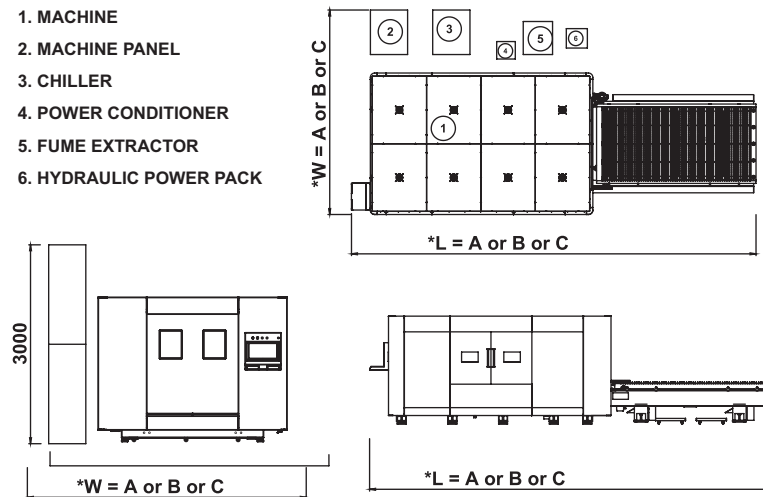


## Machine Data

### ULTRA - Dual Pallet with Enclosure

Working Range	ULTRA 3015	ULTRA 4020	ULTRA 6520	ULTRA 6525	ULTRA 6530	Dimensions & weight	ULTRA 3015	ULTRA 4020	ULTRA 6520	ULTRA 6525	ULTRA 6530
X axis	1550 mm	2100 mm	2100 mm	2600 mm	3100 mm	Length (L)	9300 mm	11300 mm	16500 mm	16500 mm	16500 mm
Y axis	3050 mm	4100 mm	6500 mm	6500 mm	6500 mm	Width (W)	4600 mm	5100 mm	5500 mm	6000 mm	6500 mm
Z axis	300 mm	300 mm	300 mm	300 mm	300 mm	Height (H)	3000 mm	3000 mm	3000 mm	3000 mm	3000 mm
<b>Max. Speed</b>						Weight (Approx.)	7000 kg	9000 kg	12750 kg	14000 kg	16000 kg
Simultaneous	120m/min	120m/min	120m/min	120m/min	120m/min						
<b>Accuracy</b>						<b>Laser Data</b>					
Position Deviation/m	+/- 0.1mm	+/- 0.1mm	+/- 0.1mm	+/- 0.1mm	+/- 0.1mm	Fiber Laser	1000 W	1500 W	3000 W	4000 W	6000 W
Repeatability	+/-0.03 mm	+/-0.04 mm	+/-0.05 mm	+/-0.05 mm	+/-0.05 mm		8000 W	10000 W	12000 W	15000 W	20000 W

1. MACHINE
2. MACHINE PANEL
3. CHILLER
4. POWER CONDITIONER
5. FUME EXTRACTOR
6. HYDRAULIC POWER PACK



- ▶ Excellent performances: high dynamics, excellent cutting quality and the highest accuracy
- ▶ High application flexibility: thin and thick cutting of a variety of materials and processing

## FEATURES

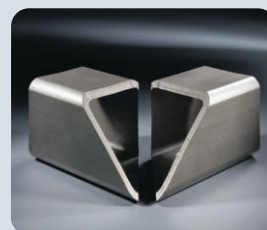
# L-ROTA



## Machine Data

### L-ROTA 40, L-ROTA 60 & L-ROTA 90

Working Range	L-ROTA 40	L-ROTA 60	L-ROTA 90	Dimensions & Weight	A (L-ROTA 40)	B (L-ROTA 60)	C (L-ROTA 90)
X axis	200 mm	200 mm	200 mm	Length (*L)	4500 mm	6500 mm	9500 mm
Y axis	4050 mm	6100 mm	9100 mm	Width (*W)	1500 mm	1500 mm	1500 mm
Z axis	150 mm	150 mm	150 mm	Height (H)	2000 mm	2000 mm	2000 mm
<b>Max. Speed</b>				<b>Power Consumption</b>	2- 20 KW	2- 20 KW	2- 20 KW
Simultaneous	56 m/min	56 m/min	56 m/min	<b>Laser Data</b>			
<b>Accuracy</b>				<b>Fiber Laser</b>	500W-1000W	500W-1000W	500W-1000W
Position Deviation/m	+/-0.1 mm	+/-0.1 mm	+/-0.1 mm				
Repeatability	+/-0.04 mm	+/-0.04 mm	+/-0.04 mm				



- ▶ Competent, efficient and quick-response Customer Support Service
- ▶ Limited initial outlay and low running costs

## FEATURES

# SPECIFICATIONS

## Laser Data

### FIBER LASERS

Maximum Power	1000 W	1500 W	2000 W	3000 W	4000 W	6000 W	8000 W	10000 W	12000 W	15000 W	20000 W
<b>Max. Sheet Thicknesses</b>											
Mild Steel (CS) – O2	8mm	12mm	14mm	16mm	20mm	25mm	25mm	30mm	30mm	35mm	35mm
Mild Steel (CS) – AIR/N2	1.5mm	2mm	2mm	3mm	4mm	5mm	6mm	10mm	12mm	16mm	16mm
Stainless Steel (SS) – N2	4mm	6mm	8mm	8mm	10mm	12mm	16mm	20mm	25mm	30mm	30mm
Aluminum Alloy - AIR/N2	3mm	4mm	5mm	6mm	8mm	10mm	12mm	16mm	18mm	25mm	25mm
Brass - AIR/N2	3mm	4mm	5mm	6mm	8mm	10mm	12mm	16mm	18mm	25mm	25mm

## Options

### EDGE Vs ULTRA

Options	EDGE 3015	EDGE 4020	EDGE 6520	EDGE 6525	EDGE 6530	ULTRA 3015	ULTRA 4020	ULTRA 6520	ULTRA 6525	ULTRA 6530	SPM
<b>FEATURES</b>											
PIPE Frame	✓	✓	✓	✓	✓	Optional	Optional	Optional	Optional	Optional	✓
Plate Welded Frame	Optional	Optional	Optional	Optional	Optional	✓	✓	✓	✓	✓	Optional
Stress Relieved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Conveyor	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	-
Fix Pallet	✓	✓	✓	✓	✓	Optional	Optional	Optional	Optional	Optional	-
Motorized Dual Pallet	-	-	-	-	-	✓	✓	✓	✓	✓	Optional
Touch Screen	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Sheet loader	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Machine Enclosure with Safety interlock	-	-	-	-	-	✓	✓	✓	✓	✓	Optional

**Note:** Above details and specifications are indicative & to facilitate buyers to choose the right product. Details and specifications are not contractual in any form and may subject to change without prior notice.

# BENEFITS

**SMART**

Operator friendly

**SMART**

Low operating cost

**SMART**

Lower Cost of ownership

**SMART**

Low and easy maintenance

**SMART**

Advance lasers with highest Efficiency

**SMART**

New Intelligent & software functions boost both efficiency & productivity





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