



MAKING LIFE EASIER



INCORPORATING  
**EFFICIENT TECHNOLOGIES**  
IN AGRICULTURE



**LAKSHMI ENVIROTECH SYSTEMS PVT. LTD.**

S.F.NO.100/6, Kurudampalayam Village, K. Vadamadurai Post,  
Mettupalayam Road, Coimbatore – 641017, India.

Contact : +91 93429 18723, +91 90470 52848.

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## ROUND BALER

LENS INDIA manufactures Round Hay baler Machines under the brands of JAWAN and RAINI. Five types of machines for making small and large round bales are made.



- ◆ **JAWAN 266**
- ◆ **JAWAN 266 TURBO**
- ◆ **JAWAN 122**
- ◆ **JAWAN RAINI 1220**
- ◆ **JAWAN RAINI TURBO**

### SPECIFICATIONS

MODEL	JAWAN 122	JAWAN 266	JAWAN 266 TURBO	JAWAN RAINI 1220	JAWAN RAINI TURBO
BALE LENGTH	700 MM	1040 MM	1040 MM	930 MM	930 MM
BALE DIAMETER	630 MM	445 MM	445 MM	630 MM	630 MM
BALE WEIGHT	19-22 KG	20-25 KG	20-25 KG	25-30 KG	25-30 KG
BINDING TYPE	JUTE TWINE	JUTE TWINE	JUTE TWINE	JUTE TWINE	JUTE TWINE
PICKUP WIDTH	700 MM	1100 MM	1100 MM	930 MM	930 MM
TRACTOR POWER	35 HP	40-55 HP	40-55 HP	40-55 HP	40-55 HP
DIMENSION	129X126X156 CM	110X170X120 CM	110X170X120 CM	1290X1500X1565 MM	1290X1500X1565 MM
WEIGHT	510 KG	545 KG	575 KG	570KG	600KG
No. of BALES	60	60	90	60	90



# FEATURES

- The sheet metal rollers suitable for immediate start of picking the straw during bale making in any weather conditions.
- Facility to adjust wide range of density of bales.
- Easy Lubrication system.
- Bale ejection both manually and electric push button.
- Depending on the moisture content and type of crop more than 60-80 bales/hour can be produced.
- For critical components investment castings are used.
- Heavy duty imported chains are used.
- High quality self lubricant German bushes are used.
- High quality sprockets and gears are used.
- High quality imported German pumps and reinforced hydraulic hoses are used.
- Italian make cylinders are used.
- Painting is done in the state of art powder coating plant with 10 tank pre treatment.
- Hardened and ground shafts are used.



HIGH DENSITY PARTS



CHAIN & SPROCKET



PICKUP REELER

## RIDGE PLASTER 002



### SPECIFICATIONS

JAWAN RIDGE PLASTER	
HEIGHT OF FORM BUNDS	300-500 MM
PTO SPEED	540 RPM
MACHINE WEIGHT	400 KG
ROTOR DIAMETER	700 MM
PLASTER DISK DIAMETER	825 MM
WIDTH OF TILLING	300 MM
OPERATING SPEED	1.8 KM / Hour
SPEED OF ROTOR	245 RPM

Tractor PTO operated ridge former is an important equipment required for the mechanisation of bund or ridge forming. It is used mainly in rice fields for the preparation of the field before transplantation. Earlier the fund forming or ridge forming is done manually and it is a slow process which consumes lot of energy and time. Owing to the high cost and scarcity of labour it is practically a difficult work to be carried out by the farmers in general. We, LENSINDIA have added one more equipment for ridge forming. It is PTO operated equipment suitable for any plough able soil whether it is dry or wet. This could be used for ridging heavy bunds around the field and also for making small size bunds inside the field also. The usefulness of the ridge forming lays not only making the bunds but also making the bunds strong and compact to a required height.

## RIDGE PLASTER 001

- The most crucial step in preparing a paddy field for planting is establishing a boundary.
- Setting the range appropriately and quickly is essential.
- The size and bounds of the shoreline can be changed.
- Work is completed quickly and at a minimal cost.
- On both dry and wet terrain, the boundary will be set.
- Traditional manual ridge/bund forming work is unproductive, soft, and expensive, and has a direct impact on rice farming profitability.





## REVERSIBLE ROTAVATOR MINI

- It is more useful for horticulture and banana fields.
- It comes in a working width of 2.5 feet/3 feet.
- Its carefully crafted blade rotor lessens the burden on the tractor and diesel consumption.
- Strong and durable construction for trouble-free performance and improved durability.
- It needs to drive 15 - 25 HP tractor.

## HAY RAKE

### SPECIFICATIONS

JAWAN HAY RAKE	
TRACTOR POWER	25 HP and Above
ROTOR DIAMETER	180 CM
NO OF ARMS FOR ROTOR UNIT	6
NO OF SPRINGS IN EACH ARM	2
WORKING WIDTH	2300 MM
MACHINE WEIGHT	200 kg
ATTACHMENT	3 Point Hitch
WORKING SPEED	2-6 Km per Hour
PTO RPM	540 RPM



- Can collect paddy straw and coconut fibres in a single row, saving time during collection
- It can be raised or lowered your self from the ground to suit our requirement.
- 6 Arms are included in the standard design.
- Handling and transportation are easy.

## CHAFF CUTTER

- cutting of dry and green feed quickly.
- few spare components.
- It has four wheels so you can move it around with ease.
- Electricity and maintenance costs are quite low.



## RAINi 1220, RAINi TURBO ROUND BALER



**RAINi 1220** This model is a smooth running machine with high efficiency

**RAINi TURBO** It is an extra rugged attachment with fast pickup and will produce additional bales

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## SPECIFICATIONS

MODEL	JAWAN RAINI 1220	JAWAN RAINI TURBO
BALE LENGTH	930 MM	930 MM
BALE DIAMETER	630 MM	630 MM
BALE WEIGHT	25-30 KG	25-30 KG
BINDING TYPE	JUTE TWINE	JUTE TWINE
PICKUP WIDTH	930 MM	930 MM
TRACTOR POWER	40-55 HP	40-55 HP
DIMENSION	1290X1500X1565 MM	1290X1500X1565 MM
WEIGHT	570KG	600KG
No. of BALES	60	90

### FEATURES :

- Renold/Diamond Heavy Duty Roller Chain
- Blue Plated Sprockets
- Bale Density Adjustor
- Wider Wheel Base for Stability
- Bale Counter
- Integrated Hydraulic Pump & Powerpack
- Easy Lubrication
- In Strong Investment Casting, Guide Plate and Support Plate are manufactured and used.



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## JAWAN 266, JAWAN 266 TURBO ROUND BALER



**JAWAN 266** This is an extra wide machine with smooth and excellent running model

**JAWAN TURBO 366** It is an extra rugged attachment with fast pickup and will produce additional bales

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## SPECIFICATIONS

MODEL	JAWAN 266	JAWAN 266 TURBO
BALE LENGTH	1040 MM	1040 MM
BALE DIAMETER	445 MM	445 MM
BALE WEIGHT	20-25 KG	20-25 KG
BINDING TYPE	JUTE TWINE	JUTE TWINE
PICKUP WIDTH	1100 MM	1100 MM
TRACTOR POWER	40-55 HP	40-55 HP
DIMENSION	110X170X120 CM	110X170X120 CM
WEIGHT	545 KG	575 KG
No. of BALES	60	90

### FEATURES :

- Renold/Diamond Heavy Duty Roller Chain
- Blue Plated Sprockets
- Bale Density Adjustor
- Wider Wheel Base for Stability
- Bale Counter
- Integrated Hydraulic Pump & Powerpack
- Easy Lubrication
- In Strong Investment Casting, Guide Plate and Support Plate are manufactured and used.



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## **JAWAN 122 ROUND BALER**



### **JAWAN 122**

This is a small and compact machine with excellent operation in narrow and small holding fields.

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## SPECIFICATIONS

MODEL	JAWAN 122
BALE LENGTH	700 MM
BALE DIAMETER	630 MM
BALE WEIGHT	19-22 KG
BINDING TYPE	JUTE TWINE
PICKUP WIDTH	700 MM
TRACTOR POWER	35 HP
DIMENSION	129X126X156 CM
WEIGHT	510 KG
No. of BALES	60

### FEATURES :

- Renold/Diamond Heavy Duty Roller Chain
- Blue Plated Sprockets
- Bale Density Adjustor
- Bale Counter
- Dowty Pump
- Easy Lubrication
- In Strong Investment Casting, Guide Plate and Support Plate are manufactured and used.



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## RIDGE PLASTER MACHINE



The **Ridge Plaster Machine** is coupled to a tractor and used to create new bunds/field ridges.

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## **SPECIFICATIONS**

<b>JAWAN RIDGE PLASTER</b>	
<b>HEIGHT OF FORM BUNDS</b>	<b>300-500 MM</b>
<b>PTO SPEED</b>	<b>540 RPM</b>
<b>MACHINE WEIGHT</b>	<b>400 KG</b>
<b>ROTOR DIAMETER</b>	<b>700 MM</b>
<b>PLASTER DISK DIAMETER</b>	<b>825 MM</b>
<b>WIDTH OF TILLING</b>	<b>300 MM</b>
<b>OPERATING SPEED</b>	<b>1.8 KM / Hour</b>
<b>SPEED OF ROTOR</b>	<b>245 RPM</b>

## **HIGHLIGHTS**

- The most crucial step in preparing a paddy field for planting is establishing a boundary.
- Setting the range appropriately and quickly is essential.
- The size and bounds of the shoreline can be changed.
- Work is completed quickly and at a minimal cost.
- On both dry and wet terrain, the boundary will be set.
- The Bunds are strong and Long Lasting.
- Traditional manual ridge/bund forming work is unproductive, soft, and expensive, and has a direct impact on rice farming profitability.

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## HAY RAKE



To save labour **HAY RAKE MACHINE** is linked to the tractor to line up the wide straw and coir fibre.

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## **SPECIFICATIONS**

<b>HAY RAKE</b>	
TRACTOR POWER	25 HP and Above
ROTOR DIAMETER	180 CM
NO OF ARMS FOR ROTOR UNIT	6
NO OF SPRINGS IN EACH ARM	2
WORKING WIDTH	2300 MM
MACHINE WEIGHT	200 kg
ATTACHMENT	3 Point Hitch
WORKING SPEED	2-6 Km per Hour
PTO RPM	540 RPM

## **HIGHLIGHTS**

- Hay Rakes are built to meet today's industry standards.
- Can collect paddy straw and coconut fibres in a single row, saving time during collection
- It can be used to raise or lower yourself from the ground.
- 6 Arms are included in the standard design.
- Handling and transportation are both simple.

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**Manufactures of  
Agri Farm Machineries**



**JAWAN 266 ROUND BALER**

**JAWAN 1220 TURBO ROUND BALER**



**RIDGE PLASTER RP001**



**REVERSIBLE ROTAVATOR MINI**



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