

The Ultimate Solution For Rice Industry

Assuring quality from
paddy to rice

Manufacturer of:

Complete Range of Modern
Rice Mill Machinery &
Ultra Modern Rice Mill Plant
Best After Assuring



Tapodhani Engineers India Private Limited

About Us

Tapodhani Engineers India Private Limited (TEIPL) has been consistently dedicated to manufacturing of complete rice shelling plant, rice mill machinery and spare parts. Starting in 1988, we have progressed by leaps and bounds with the love and blessings of our esteemed customers who imposed faith in us for our dependability, quality and durability of our products.

We are sprawling 5000 sq. mts. facility with over 100+ skilled professionals delivering customized solutions to more than 1000+ satisfied customers in India. We are manufacturing a complete range of rice mill machinery and equipment for Cleaning, Processing, Polishing and Packaging of Rice.

We are committed to improve our products, not only to match the world standards, but even to go beyond that. We attain special emphasis on enhancing our product design with high efficiency, low energy consumption, environment-friendliness and easy to operate.

Our Vision

As a quality-driven organization, we have created a remarkable place in the market by consistently maintaining the quality of our machines. In order to maintain optimum quality level in our machines, we have employed an experience team of quality professionals. We make certain that offered machines are precisely engineered using supreme class material in compliance with set industry norms. Also, the offered machines are methodically examined by our quality experts on defined measure in order to make sure their flawless performance and high efficiency.



Our team

We have nurtured a competent team of professionals, who has benefited our clientele by their innovativeness and hard work to clients that give service as follows:

**On Time
Delivery**

**Prompt
Service Backup**

**High Yield &
Low Broken of
grain**

**High
Productivity &
Easy to
maintain**

Research Development

By constant research and development based on valued feedback of our customers, we have reached a status to manufacture world-class complete rice milling plants. Now, we are manufacturing rice milling machinery with latest technology using pneumatics, hydraulics, electronically controlled vibratory systems and microprocessor based automations.

We have great team of Research & Development (R&D) working on making our products accurate and upto the mark to the customer's needs and potential. We are providing best sale-after-service support to give our customers right after they have purchased your product including extended support hours and proactive support.



Pre Cleaner



Salient Features

- The machine is fitted with inlet feed rolls.
- The aspiration chamber is fitted with one waste augur.
- The screen system consists of one sieve boat fitted with 1 short scalping screen layer and 2 long grading/sand screen layers.
- The machine has an integral fan, fixed speed drive and motor.
- The machine of steel construction with sieve boat also in steel construction.
- Eccentric shaft mechanism with reduced breakdown.
- Top 2 sieves punched from CNC Machine zigzag holes & have high perforation area.

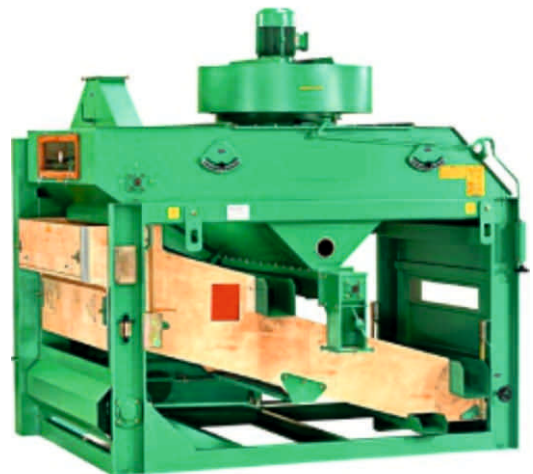
Specifications

Model No.	Input Capacity Paddy	Fan Motor	Sieve Boat Motor	No. of Sieve Boat	Dimension (L x W x H) (in mm)
TPC 01 DS	4-6 TPH	7.5HP	2 HP	1	3000 x 1750 x 2210
TPC 02 DS	8-10TPH	7.5 HP	2 HP	1	3000 x 1750 x 2210
TPC 03 DS	12-15 TPH	10 HP	3 HP	2	3285 x 2135 x 3000

Paddy Cleaner

Salient Features

- The aspiration chamber is fitted with two waste augurs.
- The screen system consists of 1 sieve boat with 1 short scalping screen layer and 3 long grading /sand screen layers.
- The machine has an integral fan, fixed speed drive, and motor.
- The machine is of steel construction with sieve boat also in steel construction
- Eccentric shaft mechanism reduced breakdown.
- Top 2 sieves punched from CNC Machine zigzag holes high perforation area, better cleaning.



Specifications

Model No.	Input Capacity Paddy	Fan Motor	Sieve Boat Motor	No. of Sieve Boat	Dimension (L x W x H) (in mm)
TPC 01	4-6 TPH	7.5 HP	2 HP	1	3000 x 1750 x 2210
TPC 02	8-10 TPH	10 HP	2 HP	1	3000 x 1750 x 2210



Pre Cleaner

Salient Features

- The machine is fitted with inlet feed rolls.
- The aspiration chamber is fitted with one waste augur.
- The screen system consists of one sieve boat with 1 short scalping screen layer and 2 long grading/sand screen layers.
- The machine has an integral fan, fixed speed drive and motor.
- The machine of steel construction with sieve boat also in steel construction.
- Eccentric shaft mechanism with reduced breakdown.
- Top 2 sieves punched from CNC Machine zigzag holes high perforation area.

Specifications

Model No.	Input Capacity Paddy	Fan Motor	Sieve Boat Motor	No. of Sieve Boat	Dimension (L x W x H) (in mm)
TPC 01	4-6 TPH	7.5HP	2 HP	1	3000 x 1750 x 2210
TPC 02	6-8 TPH	10 HP	2 HP	1	3000 x 1750 x 2210

Fine Cleaner



Salient Features

- The aspiration chamber is fitted with two waste augurs.
- The screen system consists of 1 sieve boat with 1 short scalping screen layer and 3 long grading /sand screen layers.
- The machine has an integral fan, fixed speed drive, and motor.
- The machine is of steel construction with sieve boat also in steel construction
- Eccentric shaft mechanism reduced breakdown.
- Top 2 sieves punched from CNC Machine zigzag holes high perforation area, better cleaning.

Specifications

Model No.	Input Capacity Paddy	Fan Motor	Sieve Boat Motor	No. of Sieve Boat	Dimension (L x W x H) (in mm)
TFC 01	4-6 TPH	7.5 HP	2 HP	1	3000 x 1750 x 2210
TFC 02	8-10 TPH	10 HP	2 HP	1	3000 x 1750 x 2210
TFC 03	12-15 TPH	10 HP	3 HP	2	3285 x 2135 x 3000

Vibro Sheller



Vibro Sheller is designed to remove husk from paddy and comes with heavy- sturdy construction that suitable for raw, steam and boiled paddy. This machine makes very low noise while shelling of paddy and machine is equipped with cooling system to increase the life of paddy threshing rollers.

Salient Features

- Our vibro sheller ensures uniform feeding of Paddy across the full rubber width.
- Rubber life is more by 35% than conventional manual shellers.
- Easy to maintain & Shelling percentage can be achieved to 97%
- It can be operated manually, when needed.
- Easy to change rubber as well as so fast and quick.

Specifications

Model	Input Capacity Paddy	Motor	Rubber Roll Size
TVS 01	3-4 HP	10 HP (960RPM)	10 Inch DMR

Husk Aspirator

The main function of this machine is to separate husk from the shelled paddy. Shelled paddy is allowed to flow through specially designed arrangement of flops.

The main function of this machine is to separate husk from the shelled paddy. Shelled paddy is allowed to flow through specially designed arrangement of flops.



Salient Features

- In-built blower requires less maintenance of impeller.
- Accurate separation of husk from mixture.
- Efficient conveyor for uniform feeding.
- Stainless steel impeller and baffles for long life of the husk aspirator.

Specifications

Model	Input Capacity Paddy	Motor	Dimension (LxWxH) in mm
THA 01	4 HP	5 HP	1700 x 1700 x 1100

Rice Whitener

Our whitener is designed to give uniform polish with lesser broken and highly efficient for polishing of raw rice, steamed rice, para boiled rice, boiled rice and basmati rice also.

Machine has infinite adjustment for polishing; load indication facility; air suction pressure indication; good suction for high polish; low maintenance and easy to operate.

Salient Features

- High Speed and accurate rice whitening mechanism.
- Remove bran very efficiently during whitening.
- It gives higher milling yield & less broken
- Several arrangements for different quality of rice.
- Available in wide tonnage capacity basis



Specifications

Model	Input Capacity Paddy	Motor	Dimension (LxWxH) in mm
TRW 30	2.5-3 TPH	30 HP	1550 x 630 x 1500
TRW 40	3.5-4 TPH	40 HP	1700 x 690 x 2000
TRW 50	4-5 TPH	50 HP	1700 x 800 x 1900
TRW 60	5-6 TPH	60 HP	1700 x 800 x 1800



Silky Rice Polisher

Our Silky machine is widely used in rice and grain processing industry to polish a great amount of rice at high speed. It is made up of fully powder coated metal structure, high efficiency motor, user-friendly control panel and other hi-tech parts & components with advanced technology ensuring constant performance, high efficiency and long service life

Salient Features

- Gives Excellent glossy finish to rice.
- Appropriate for Raw, Steam and boiled rice.
- These are imported machinery.
- Gives high commercial value to rice.
- High yielding capacity of head rice.

Specifications

Model	Input Capacity Paddy	Motor	Dimension (LxWxH) in mm
TRP 40	3-4 TPH	50 HP	2000 x 550 x 1750
TRP 60	4-6 TPH	75 HP & 5 HP	2000 x 670 x 1850
TRP 01	2.5-3 TPH	60 HP	2100 x 700 x 1700
TRP 02	2.5-3 TPH	60 HP	2100 x 700 x 1700
TRP 03	4-6 TPH	75 HP & 3 HP	2100 x 700 x 1900

Automatic Precision Sizer



Our Automatic Precision Sizer is efficacious for cleaning rice, seeds, pulses and other granule material. It is manufactured using quality tested raw components and material. Available in various capacity and power consumption, Precision Sizer removes various kinds of impurities and immature grains according to their thickness.

Salient Features

- Give highest accuracy while working.
- An extremely efficient system for separation of oversize & under size grain
- Used for removing & grading of immature grains
- Get different streams of impurities, separated according to their thickness

Specifications

Model	Input Capacity Paddy	Motor	Dimension (LxWxH) in mm
TAPS 01	1TPH	1 HP	3250 x 1100 x 1300

Rice Shifter

Our machine can shift milled rice efficiently and accurately into several classes: head rice, large broken, medium broken and small broken. We have four trays and five trays models and blower type. Our machine provide accurate and efficient sifting; Easy selection of sieve size, completely sealed sieve frame.

Salient Features

- Used to separate the big rice, head rice, half, quarter and tips from the mixture.
- Occupies very less space and works for very high capacity.
- Consumes very less power and low maintenance.
- Easily replaceable sieves
- Self-cleaning rubber balls prevent choking.



Specifications

Model	Input Capacity Paddy	Motor	No. of Sieves
TRS 01	4 TPH	1.5 HP	5

Length Grader

Our Length Grader is used for the separation of broken rice from long rice. The machine is specifically designed to suit Basmati Rice, Raw Rice, Steam Rice, Parboiled Rice and Boiled Rice. This machine allows separation of broken grains from whole grains by passing them through rotating indented cylinders. The rotation results in the separation of the shorter broken grains from the whole grain, which are removed by a separate discharge outlet. The equipment is installed with an in-built self-cleaning mechanism to ensure optimum productivity.

Salient Features

- Precise indent screen for accurate grading
- Stainless steel prevents bran chocking for long life
- Easy maintenance and minimum operation cost
- Higher output with adjustable speed

Specifications

Model	Input Capacity Paddy	Motor	Dimension (LxWxH) in mm
TLG 01	1TPH	1 HP	3250 x 1100 x 1300



Bran Centrifugal



Our Bran Centrifugal is actively engaged in the formation process of high performing Bran Centrifugal Machine which is a heavy duty equipment that is used for separating bran from small rice. This machine is a perfect combination of modern technology and basic mechanics. The Bran Centrifugal Machine that we provide is made in accordance to that of a high grade machine which doesn't requires much maintenance after being installed.

Salient Features

- It has robust design
- It is easy to use
- It gives accuracy in Bran filtering

Specifications

Model	Capacity	Material	Voltage	Frequency	Screen Size
TBC 01	20-100 Ton/day	Mild Steel	220-240 V	50-60 Hz	100 Inch

Paddy Destoner



Paddy separator is applied for efficient separation of stones and pebbles, glass and other high-density matter from rice and grain and it is capable of efficiently separating even small and light weight pebbles with the size of a grain from the stream of product, thus ensuring optimal rice and grain cleaning.

Salient Features

- Excellent separation of high-density particles.
- Carefully cleaned raw materials are a precondition for achieving a high end product purity.
- Higher production with low power consumption.
- Low maintenance and minimum operating cost.

Specifications

Model	Input Capacity Paddy	Vibro Motor	Dimension (LxWxH) in mm
TSS 01	2-3 TPH	1 HP (0.5 HP x 2 Nos.)	1700 x 1700 x 1900
TSS 02	5-7 TPH	2 HP (1 HP x 2 Nos.)	1850 x 1750 x 2200
TSS 03	6 TPH	2 HP (1 HP x 2 Nos.)	1600 x 2200 x 3000

Paddy Separator (Butterfly Type)

Our paddy separator is mainly used for separating the paddy and grain, especially for varieties of hybrid materials. With big capacity, smooth running, easy operation, high automation. Our machine is tested on various quality parameters and is designed in compliance with the set industry standards. We offer these machines according to the customers requirements at affordable prices.

Salient Features

- It has compact size and high production yield.
- It is easy to operate.
- It has very low maintenance cost.
- Very low driving power.
- High performance while working.



Specifications

Model	Input Capacity Paddy	Motor	Dimension (LxWxH) in mm
TPS 01	4 TPH	3 HP	1760 X 1330 X 2220
TPS 02	8 TPH	5 HP	1870 X 2230 X 2240

Vibro Classifier/MTR

Salient Features

- The aspiration chamber is fitted with two waste augurs.
- The screen system consists of 1 sieve boat with 1 short scalping screen layer and 3 long grading /sand screen layers.
- The machine has an integral fan, fixed speed drive, and motor.
- The machine is of steel construction with sieve boat also in steel construction
- Eccentric shaft mechanism reduced breakdown.
- Top 2 sieves punched from CNC Machine zigzag holes high perforation area, better cleaning.



Specifications

Model No.	Input Capacity Paddy	Vibro Motor	Blower Fan Motor	Dimension (L x W x H) (in mm)
TVC 01	1.5-2 TPH	2 HP (1 HP X 2 Nos.)	7.5 HP	3200 x 1250 x 1700
TVC 02	2-3 TPH	2 HP (1 HP X 2 Nos.)	10 HP	3200 x 1500MM x 1700
TVC 03	3-4 TPH	2 HP (1 HP X 2 Nos.)	12.5 HP	3200 x 175000 x 1700

Cyclone Blower & Aspiration System

Cyclone separators utilize gravity and a vortex to remove particulates from gaseous streams. Industrial cyclones are used in pollution control applications most commonly as a first stage, lower cost method for removing larger particulate matter (PM) from effluent gas streams. Because cyclone separators do not incorporate filter media or moving parts, the pressure drop (therefore, operating costs) and maintenance requirements tend to be low. They can also be constructed to withstand harsh operating conditions, and since separation in cyclones is a dry process, the equipment is less prone to moisture corrosion.

Product Specification

Usage/Application	Industrial
Material	Mild Steel
Automation Grade	Semi-Automatic
Design Type	Standard, Customized
Flow Rate	7000 cfm
Is It Customized	Customized
I Deal In	New Only
Country of Origin	Made in India



Bucket Elevator

Our highly efficient elevators are used for conveying the material vertically to the next machine

Salient Features

- Both side powder coated with salt spray test sustenance for more than 500 hours.
- Folded design and high tensile hardware used for assembly.
- Heavy-duty casting pulley at Top and specially designed fabricated balanced pulley used at the bottom to avoid broken generation.
- Sturdy rigid and heavy-duty construction. Perfect alignment ensures zero wear and tear and more life.
- Belts are provided with Bucket holes punched on a special machine to ensure proper alignment of the buckets
- Option for air aspiration in the head of the elevator.



Specifications

Making Used: G.I. Steel/M.S.

Capacity: 1-10 TPH (As per requirement of plant)

Electric Load: 1,2,3 H.P.

Bucket Material: HDPE, Self Cleaning Type Buckets

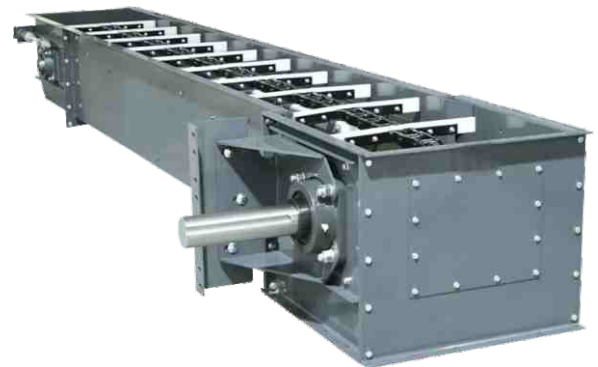
Belt Material: Nylon

Head & Boot Casing Gauge: 14 Gauge

Leg Casing Gauge: 16 Gauge of GI Steel/MS with suitable inspection window:

Chain Conveyor

Our Chain Conveyors are used for a variety of applications, such as transporting heavy loads, moving products horizontally or inclining them upward. This machine is commonly used in manufacturing and industrial settings to move raw materials, finished products and waste materials. Our product is known for its durability, high capacity and ease of maintenance. They are known for their high-functionality and allowing the transport of very wide or long materials.



Salient Features

- Bolted Replaceable Bottom Cover
- Bolted Flanged Top Cover
- Welded Steel Chain and Heat Treated Sprockets
- HD Head Section with Slack Side Tension Idler Sprocket Assembly
- Heavy Duty Tails Section with Bearings Supports

Specifications

Capacity	Motor Power	Voltage	Frequency	Operation Mode
1.5-6 TPH	1.5 HP	380 V	50-60 Hz	Automatic

Belt Conveyor

Our Belt conveyor is a kind of continuous mechanical handling equipment with high efficiency, good safety and good mobility. Mainly used for short-distance transport, handling of bulk material and the product one-piece weight less 100kg on loading and unloading stations which are often changed, such as the port, terminal, station, coal yard, warehouse, building site, sand quarry, farm and so on. It can be divided into lift and not lift type, the running of belt is driven by electric-roller, and the whole lifting and running are non-motorized.



Salient Features

- High strength, durability and good quality material used.
- Hassle free process can lead to several problem.
- Heat resistant to prevent any breakdowns during the operation.
- Easy your process and save time as well.
- Low pre-tension and low-noise features.

Specifications

Capacity	Motor	Voltage	Frequency	Working
2.5-3 TPH	2/1.5 HP / KW	415 V	50Hz	38 RPM

Screw Conveyor



The flexible screw conveyor operation begins with product entering the sealed tube as the auger rotates. The shape, design style, size, and length of the auger are factors selected for each application. The screw conveyor is typically mounted to a hopper for easy loading of material. A single motor drives the auger rotation allowing the material to be pulled through the enclosed tube. The helicoid design of the auger effectively conveys a wide range of materials from powder, to granular, to larger particles.

Salient Features

- It is gentle product handling and greater hygiene
- It is Easy to clean and total containment
- It is Dust-free
- Constant remixing
- It is low in cost and maintenance

Specifications

Capacity	Material	Voltage	Frequency	Screen Size
20-100 Ton/day	Mild Steel	220-240 V	50-60 Hz	100 Inch

Accessories & Spares



Cyclone for Rice Mills

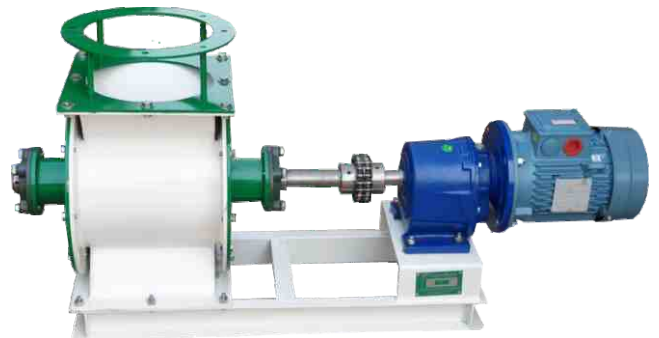
Cyclones used to purify the air discharged by the grain cleaning equipment and collect the light impurities. they are an essential to any farm cleaning or commercial cleaning operation. Simple to use and economical. Cyclone have been continuously developed over many years to provide customers with a wide range of options to suit every requirement and a full setup and complete design that ensures easy assembly, installation and maintenance.

Our Cyclone are available from 500mm to 2400 mm

Rice Mill Airlock

We are offering an excellent quality assortment of Air Locking System for rice mill industry. It is mainly utilized for seal, release and residue catch of pneumatic transportation or ventilation dust get network at preparing plant. This Rice Mill Airlock is known for its low maintenance and easy operation. We make this Rice Mill air lock system available at affordable prices to our clients.

Our Airlock are available from 6" to 12"



Blower for Rice Mills

We are providing quality approved blower for rice mill industry. We has gained immense expertise in supplying & trading of Rice mill machinery, rice mill blower, parboiling plant etc. Effective dust absorption and explosion proof can be realized for there are many dust hood outlets on the machine head and base. It is especially good to be applied in rice processing factories and breakable granulated crystal factories to deliver material vertically.

Our Blower are available from 2 HP TO 40 HP





Fortified Rice Kernel (FRK) Blending Machine with Ribbon Mixer & Filling

Robust Technology to blending fortified rice kernels to rice in an accurate and cost effective way. This is a multipurpose machine. This product can also blend two variety of broken rice with head rice in exact pre defined ratio.

The fortification of rice is a major opportunity to improve nutritional value of rice. Fortified rice kernel contains Vitamin A, Vitamin B1, Vitamin B12, Folic Acid, Iron and Zinc.

Note:

* 50 Kgs bags possible in 1% mixing.

* 25 Kgs bags possible in 1% mixing.

Special Features:

- Designed with Double Blending Feature
- Blending, Mixing and Bagging can be Achieved in Single Station.
- Eliminates Usage of Multiple Elevators & Packing Machine thus Making it Very Efficient and Economical.
- PLC Controlled Automation System (Programmable Logic Controller).
- Product Mixing % can be Controlled as per Requirement.
- Data can be Stored in Pen Drive.
- Simple Calibration Process.
- Touch Screen Colour HMI (Human Machine Interface).

Machine Type	TBM 10/3			
	Weight in Kg	Bags/ min	TPH	Accuracy
Capacity on Rice with 1% mixing	25	4 Max.	6	±20 gm
	50	4 Max.	12	±20 gm
Capacity on Rice for bagging	25	5 Max.	7.5	±20 gm
	50	4 Max.	12	±20 gm
Voltage in Frequency in Hz	415 / 50			
Air pressure required in Bar	05 to 06			
Air consumption in m ³ /hr.	2.5			
Weight in Kg	200			
Blender Overall Size	1110 x 1100 x 1150			
Mixer Overall Size	1110 x 1100 x 1150			

* THIS MACHINE CAN MIX THREE DIFFERENT PRODUCT (3 INLEST)



TAPODHANI ENGINEERS INDIA PRIVATE LIMITED

Khewat No. 324, Near Mahadev Mandir, Barana Road,
Village Faridpur, Gharaunda, Karnal-132114, Haryana, INDIA
Phone: +91-98960-92976, 98964-96691
Email: naveenc922@gmail.com