



*Colaborated with*



Manufacturer  
and Supplier of  
**Complete Rice  
Milling Plant and  
Grain Milling  
Machinery**

We have expertise in rice milling industry for past 30 years. Now we have upgraded our machineries with latest design and technology under new brand name "MACHTO"

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# Paddy Pre Cleaner



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Highly Efficient Paddy Pre Cleaner is a cleaning machine for Paddy

Paddy Pre-cleaner is used to remove extra-large impurities such as large stone, large soil clods, hemp rope and straw from raw paddy. This is done to optimize the storage life of the grain and to improve the quality of the product that has to be cleaned.

Paddy pre Cleaner Single deck is intended for thorough cleaning of coarse grains at the intake stage. The machine is designed to remove all big impurities, straws, fine sand, immature paddy etc.

**Suitable for:**

- Paddy
- Wheat
- Maize
- Pulses

**Salient features:**

- Uniform feeding of grains through feed roller
- Metal construction of machine & sieve boat
- Sieves are self-cleaned by rubber balls
- Fitted with in-built blower for aspiration
- Galvanized iron steels for longer life



Model No.	Capacity on Paddy	Power (HP)	Screen (LxW)	Dimension (LxWxH) in mm
MMPC-1000	3-4	7	1000 x 885 - 5	3100 x 1860 x 3070
MMPC-1200	4-6	7	1000 x 1185 - 5	3100 x 2160 x 3070
MMPC-1500	6-8	10	1000 x 1485 - 5	3100 x 2460 x 3070
MMPC-1500X2	8-12	15	1000 x 1485 - 9	3100 x 2460 x 3070

# Rice Polisher TS25 / TQN168



Rice Polisher TQN168

**Highly Efficient Rice Silky Polisher is used for giving silky shining on rice surface.**

Rice Silky Polisher Machine is designed to gently polish the surface of the grain. Mixture of air & water is sprayed into the polishing chamber like a mist by means of a special atomiser. The use of water gives the output grains a shiny surface. It is suitable for:

- Raw rice • Steam rice • Par boiled rice

**Salient features:**

- High degree of polishing due to long polishing rollers
- Alloy steel rollers and screens for long life
- Easy bran discharge from polishing chamber
- Manometer to indicate air suction of bran blower
- Dozing pump for precise control of water injected
- Better yield of head rice with high degree of polish

Model No.	Capacity on Rice	Power (HPxRPM)	Aspiration CMM	Dimension (LxWxH) in mm
MM-TS25	2-3	40x1440	40	2170 x 900 x 1950
MM-TQN168	2-3	60x1440	50	2170 x 900 x 2400

## Cone Polisher

Rice Cone Polisher is a vital piece of equipment in modern rice processing, designed to enhance the quality and appearance of rice by removing bran layers and polishing the rice surface. This machine utilizes a conical roller mechanism to gently polish the rice, ensuring minimal breakage while delivering a glossy, uniform finish.

Machto Cone Polisher not only improves the rice's visual appeal but also extends its shelf life by reducing the residual bran oil, which can cause rancidity. Our Cone Polisher is an essential investment for rice mills aiming to produce high-grade, premium rice varieties of rice.

**Salient Feature:**

- Ensures smooth polishing with minimal grain breakage.
- Effectively removes residual bran layers.
- Built with robust materials to withstand continuous operation.
- Easy-to-clean surfaces and components reduce contamination risks.



# Pneumatic Rubber Sheller/Dehusker



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Highly Efficient Pneumatic Sheller/Dehusker used for separating husk from brown rice

Pneumatic Rubber Sheller/Dehusker is intended to facilitate the easy removal of husks from paddy grains. Input grain is passed between two counter-revolving rollers, which results in the removal of the husk from the grain.

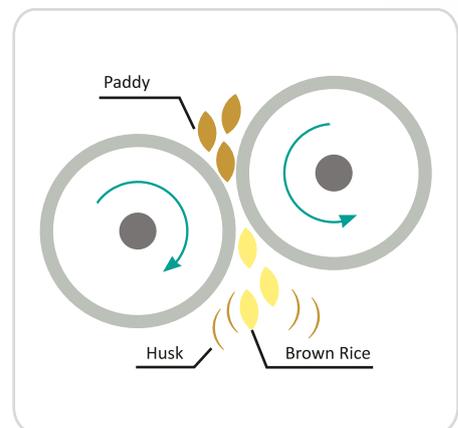
This machine is equipped with automatic systems that control the pressure exerted by the rollers, as well as the correct feed rate for the input grains.

#### Suitable for:

- Raw paddy
- Steam paddy
- Par boiled paddy

#### Salient features:

- Automatic system (both vibro & without vibro)
- Effective cooling system for long life of rubber rolls
- Shelling percentage of paddy up to 95% can be attained
- Manual adjustment facility provided

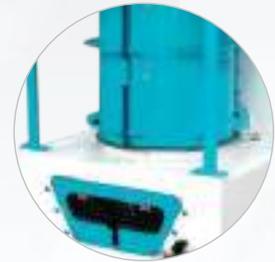


Model No.	Capacity on Paddy	Power (HP)	Rubber Roll Size	Dimension (LxWxH) in mm
MMRS - 10	3-4	10	10"	1500X1000X2100
MMRS - 12	4-5	15	12"	1500X1100X2100

# Rice Whitener



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Highly Efficient Rice Whitener is good to shining Raw, Steamed, Parboiled and Basmati rice as white rice.

Rice whitener is specially designed for effective degree of whiteness and maximum yield of head rice with less percentage of broken rice. Rice is whitened very gently between abrasive grinding wheel & screen without distracting the original shape of rice kernel.

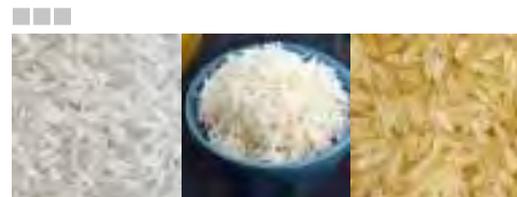
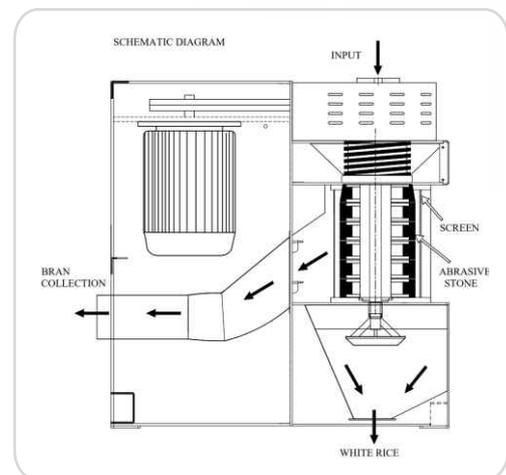
This machines is equipped with a mechanism for adjusting degree of whiteness.

**Suitable for:**

- Raw Rice
- Steam Rice
- Par boiled Rice
- Basmati Rice

**Salient features:**

- Body constructed by tubular structure for rugged performance
- Easy to maintain as the belt guard is detachable type
- Degree of polishing can be adjusted easily
- Digital ammeter for load indication on motor



Model No.	Capacity on Paddy	Power (HP)	Dimension (LxWxH) in mm
MMRW - 30	3-4	30	1550X1800X2200
MMRW - 40	5-6	40	1700X1900X2200
MMRW - 50	6-8	50	1600X1800X2100

# Double Body Butterfly Paddy Separator



**Highly Efficient Butterfly Paddy Separator for high capacity and efficient separation of paddy and brown rice.**

Double Body Butterfly Paddy Separators involved in rice milling unit to process the paddy to rice. First of all the paddy is cleaned then shelled by dehusker. The shelled paddy consists of three type of grain Paddy, Brown Rice and Husk. After shelling process, husk is separated by Husk Aspirator. Now the mixture of paddy and rice is fed to Paddy Separator where we separate them and then rice goes for polishing and the paddy for reprocessing at paddy bin.

Double Body Butterfly Paddy Separators are designed for Medium and high capacity rice mills of 5 to 10 TPH. These machines comes with an automatic control panel and SS trays.

**Salient features:**

- SS tray for long life and perfect separation
- VFD for speed adjustment to suit different paddy variety
- Easily adjustable tray inclination
- Sensor controlled panel board for auto on/off



Model No.	Capacity on Paddy	Power (HP)xRPM	Weight Kg Appro.	Dimension (LxWxH) in mm
MMPS 1-46x20x2	8-10	3x960	1205	2000X1800X2200
MMPS 2-60x20x2	10-12	3x960	1420	2300X1900X2200

# Single Body Paddy Separator



**Highly Efficient Butterfly Paddy Separator for high capacity and efficient separation of paddy and brown rice.**

With enriched industrial experience and knowledge, we are providing an excellent tray type range of Paddy Separators under Rice Mill Machinery Segment. Mixture of paddy and brown rice passes into the gravity paddy separator, where the paddy and brown rice are separated effectively.

### Salient features:

- SS tray for long life and perfect separation
- VFD for speed adjustment to suit different paddy variety
- Automatically stops when there is no grain in hopper
- Heavy body, housings and shaft for stable performance
- Balancing weight for long life of rotating parts
- Easily adjustable tray inclination



Model No.	Capacity on Paddy	Power (HP)	Weight in Kgs.	Dimension (LxWxH) in mm
MMPS 1-46x20x1	4-5	3x960	1020	1550X1800X2200
MMPS 2-60x20x1	5-6	3x960	1220	1700X1900X2200

# Paddy Destoner/ Vibro Destoner



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## Highly Efficient Paddy Destoner/ Vibro Destoner for separating the stone in Paddy & Rice

Latest technology for separating small stones from paddy, putting behind the traditional style of sieving and destoning by eccentric action. This machine works on the vibration principle by way of the grace of two vibratory motor and a high efficiency blower which helps in removing dust as well as stones from paddy. It comes in 4 ton to 8 ton per hour output capacity.

This machine is used to separate impurities and stones from the grains by gravity difference. Since all the openings are sealed properly, there will be no dust around the machine when it is in use.

### Suitable for:

- Paddy • Rice • Wheat • Pulses

### Salient features:

- Low power requirement
- Simple mechanism to save power
- Inbuilt blower for aspiration system
- Adjustable de-stoning chamber inclination
- Special dimpled screen for accurate de-stoning
- Rugged construction – trouble free performance



Model No.	Capacity on Paddy	Power (HP)xRPM	Aspiration CMM	Dimension (LxWxH) in mm
MMPD - 1000	3-4	1	60	1600 x 1040 x 2500
MMPD - 1200	4-6	1	70	1600 x 1200 x 2500
MMPD - 1500	6-8	1.5	90	1600 x 1550 x 3100

# Plan Shifter/Rice Shifter



Highly Efficient Rice Shifter is used to grade grains based on size.

Shifter is designed to sort grains into different categories on the basis of size and quality. This machine is best suited for rice. The machine is especially effective for grading rice based on different in their sizes. Sturdy body construction and simple design ensure durability as well as making assembly and maintenance extra easy.

### Salient features:

- Compact design – saves space
- Dust-free, hygienic operation
- Easy clean-out
- High throughput capacity
- Continuous operation



Model No.	Capacity on Paddy	Power (HP)	Working RPM
MMS - 800 x 3	2	1	150
MMS - 100 x 5	3	1.5	150
MMS - 120 x 4	4-6	2	150
MMS - 150 x 4	6-8	3	150

# Vibro Cleaner / MTR



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Highly Efficient Vibro Cleaner/MTR are designed to separated stone, glass or high density matter

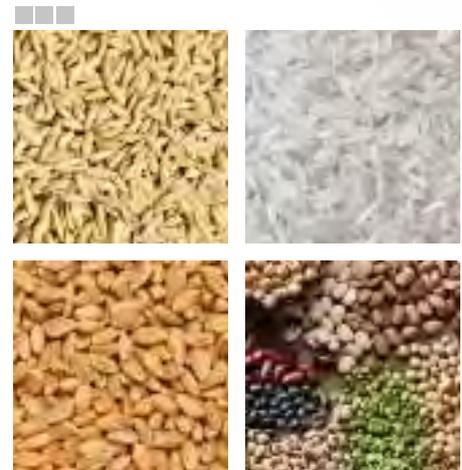
Vibro cleaners/MTR are specially designed to separate oversized and undersized foreign bodies from food grains. VPC is employed for the efficient removal of stones, glass and other high-density matter from the grain stream. The throughput capacities vary according to product and degree of contamination.

**Suitable for:**

- Paddy
- Wheat
- Maize
- Soya
- Dhal

**Salient features:**

- Large capacity
- Robust construction
- High cleaning efficiency
- Totally dust free performance
- Precise vibro motor alignment
- No moving parts – low maintenance

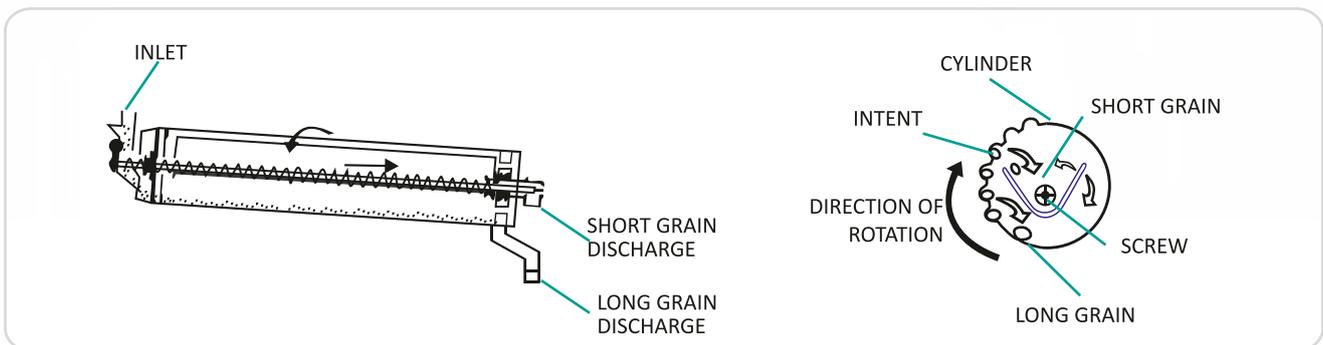


Model No.	Capacity on Paddy	Power (HP)-Qty.	Blower	Aspiration CMM	Dimension (LxWxH) in mm
MMPC-800	3-4 tph	0.5-2	5-1	50	2400 x 1400 x 1800
MMPC-1000	5-8 tph	0.5-2	7.5-1	70	2700 x 1600 x 1800
MMPC-1200	8-12 tph	0.5-2	10-1	85	2700 x 1850 x 1800

# Length Grader



Highly Efficient Length Grader for broken rice separation and rice tips separation.



Length grader is used for separating the broken rice from the head rice. When the rice is passed through the indented cylinder, broken rice is collected in a U trough and discharged by a screw conveyor.

**Salient features:**

- Accurate separation of broken rice
- Compact size – space saving
- Worm geared drive – maintenance free
- VFD can be provided for better grading accuracy
- Regrading system helps to separate head rice from tail rice



Model No.	Capacity on Rice	Power (HP)	Cylinder Size Dia x L (mm)
MMLG - 1	1	1	430 x 2400
MMLG - 2	2-3	2	711 x 3000
MMLG - 3	4	3	762 x 4000

# Rice Silky Machine



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Highly Efficient Rice Silky Machine is used for giving silky shining on rice surface. It is suitable for raw, steamed and basmati rice.

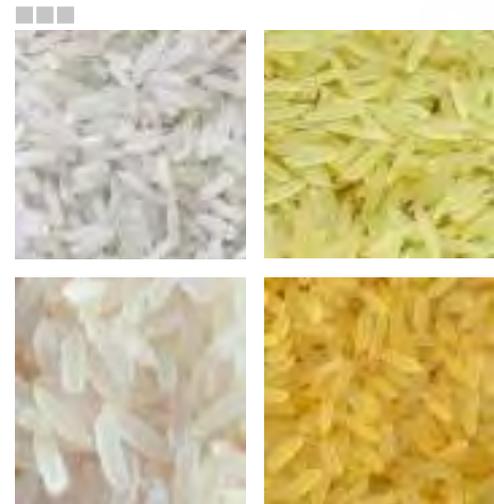
Our Rice Silky machine is designed to gently polish the surface of the grain. Mixture of air & water is sprayed into the polishing chamber like a mist by means of a special atomiser. The use of water gives the output grains a shiny surface.

**Suitable for:**

- Raw rice
- Steam rice
- Par boiled rice

**Salient features:**

- High degree of polishing due to long polishing rollers
- Alloy steel rollers and screens for long life
- Easy bran discharge from polishing chamber
- Manometer to indicate air suction of bran blower
- Dozing pump for precise control of water injected
- Better yield of head rice with high degree of polish



Model No.	Capacity on rice	Power (HP)-Qty.	Aspiration CMM	Dimension (LxWxH) in mm
MMRSM - 4T	4 Ton	50 hp, 60hp	40	2170 x 900 x 1950
MMRSM - 8T	8 Ton	75 hp	50	2170 x 900 x 2400

# Bran Filter



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Highly Efficient Bran Filter is used for the separation of left-out rice tips from brown rice mills.

Bran Filter Machine is a simple yet highly effective machine for processing bran. This highly innovative product design guarantees smooth product flow and clean mechanism. This Machine has high performance technology with optimum hygiene and it's quiet with very low noise emissions.

**Suitable for:**

- Bran of rice
- Wheat
- Pulses

**Salient features:**

- Taper lock pulleys for easy maintenance
- Heavy duty construction and low maintenance
- Nylon wire filter ensures accurate separation
- Cylindrical brush for self-cleaning of wire filter



Model No.	Capacity on Bran	Power (HP)-Qty.	Drum Size in mm	Dimension (LxWxH) in mm
MMBF-80	0.7 tph	2	725x2000	3200 x1200 x 1900
MMBF-100	1.5 tph	2-3	725x2500	3200 x1200 x 1900
MMBF-120	2-3 tph	3-5	725x3000	

# Gravity Separator



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Highly Efficient Gravity Separator is used for remove partially broken rice to ensure maximum quality of the final product.

Gravity Separator is used to separate products of the same size but with a difference in specific weight. They can be used effectively to remove partially broken rice to ensure maximum quality of the final product.

Gravity Separators have a rectangular deck so that the product travels a longer distance resulting in cleaner separation of light and heavy particles and the lowest percentage of middlings. The product flows over the vibrating deck in which pressurized air is forced through causing the material to stratify according to its specific weight. The heavier particles travel to the higher level and the lighter particles travel to the lower level of the deck.

In order to obtain efficient separation by specific weight, the pressurized air supply needs to be accurately adjusted and this is accomplished by having individually adjustable air fans to control the volume of air distribution at different areas of the vibrating deck. The table inclination, speed of eccentric motion and the feed rate can be precisely adjusted with ease and minimum of operator training.

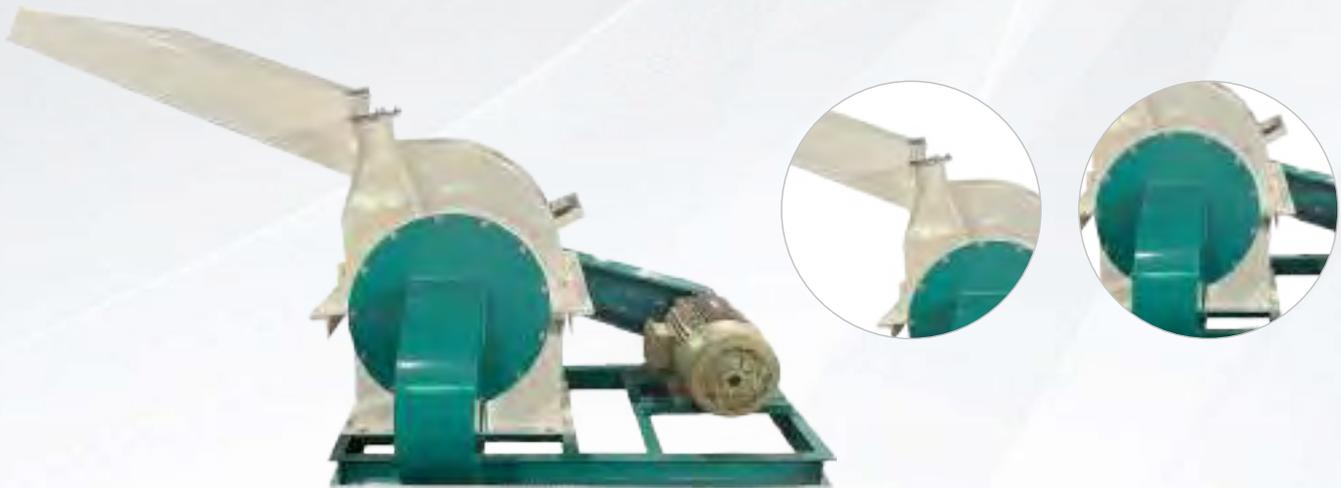
### Salient features:

- Can easily separate granular materials according to the weight of the product.
- Easy deck removal for cleaning.
- Multi-fan system for accurate control of air.
- Precise Control of air, feed rate and speed of deck motion.
- Easy adjustment of deck inclination in both longitudinal and transverse directions.



Model No.	Capacity	Power (HP)-Qty.	Volume
MMGS-120	0.75-1 tph	6	3.5 Cu. Mtrs.
MMGS-210	1.5-1.75 tph	6	5.75 Cu. Mtrs.
MMGS-320	2.5-3 tph	8.5	8.25 Cu. Mtrs.

# Hammer Machine



## Highly Efficient Hammer Machine is used to grind different material in powder form or further use.

Hammer Machine helps to reduce plenty of rice husk storage space, and the rice husk powder can be used in making poultry feed, such as cattle feed, chicken feed, etc. The rice husk power can be used to make biomass fuel, which increases the husk burning efficiency.

The material to be crushed enters the grinder machine from the top of the hammer mill, enters the crushing chamber from the left or right side through the feed guide plate, and under the action of the high-speed rotating hammer and the friction of the sieve plate, the material is gradually crushed, and the centrifugal force and Under the action of the airflow, it is discharged through the mesh hole from the base discharge port.

### Salient Features:

- It is widely used for crushing paddy husk, corncob, wheat, herbal medicine, wood etc
- The crushing chamber is wider and the sieving area is larger, which makes the output larger and greatly improves the crushing efficiency.
- The linkage door shaft mechanism makes the operation and maintenance more convenient and labor-saving. Save installation space and the appearance is more beautiful.
- The rotor has better stability after dynamic balance effect.

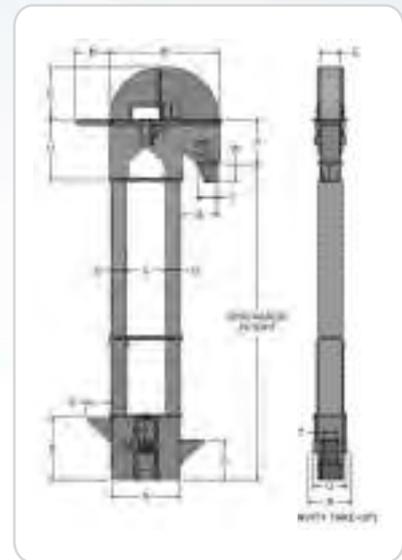


Model No.	Capacity on rice	Power (HP)-Qty.	Speed	Dimension (LxWxH) in mm
MMHM - 3T	3 Ton/Hr	3 Hp/1440 RPM	1100 RMP	2300x1350x1440
MMHM- 4T	4-5 Ton/Hr	5 Hp/1440 RMP	1292 RMP	2300x1500x1440
MMHM - 6T	6 Ton/Hr.	5 Hp/1440 RMP	1292 RMP	2300x1700x1440

# Bucket Elevator



Highly Efficient Elevators are used for conveying the material vertically to the next machine.



## 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.

## Belt Conveyor



## Chain Conveyor



## Sewing Conveyor



# Rice Husk Aspirator



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In the rice milling industry, Husk Aspirator plays a crucial role in ensuring the rice we get is clean and high-quality. They focus on removing the husk from the rice grain using airflow to separate the husk from the rice gently. This helps in getting cleaner rice and contributes to making the entire rice milling process more efficient.

The unprocessed rice is fed into the husk aspirator machine which uses airflow to delicately separate the husk from the rice grains without causing any damage. As the unprocessed rice moves through the machine, the husk aspirator utilizes suction power to pull the husk away from the rice grains.

Machto's Husk Aspirators equipped with smart sorting features that make them work excellently. They create customisable solutions that exactly match the requirements of each rice mill.

**Suitable for:** • Raw rice • Steam rice • Par boiled rice

Model No.	Capacity on rice	Power (HP)-Qty.	Speed	Dimension (LxWxH) in mm
MMHS - 3T	3 Ton/Hr	3 Hp/1440 RPM	1100 RMP	2300x1350x1440
MMHS - 4T	4-5 Ton/Hr	5 Hp/1440 RMP	1292 RMP	2300x1500x1440
MMHS - 6T	6 Ton/Hr.	5 Hp/1440 RMP	1292 RMP	2300x1700x1440

## Blower for Rice Mill



We are providing quality approved blower for rice mill industry. We have gained immense expertise in supplying & trading of rice mill blower and other blower different application.

Our Blower are available from 2 HP TO 40 HP

## Cyclone for Rice Mill



Industrial cyclone is a type of drier that separates solid materials from a gas stream using a rotating drum. Typically, the gas stream is air, but it can also contain furnace flue gas. The solid substance is often a powder or other particle that has been finely split.

Our offering is shaped like a cone or cylinder that produces airflow. It is used in industrial settings such as power generation, gas turbines, chemical processes etc.

# BIS Approved Fortified Rice Blending Machine

With Bagging Option (Dynamic Blender)



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We are India's Leading Fortified Rice Kernels (FRK) Blending Machine manufactures to give optimum production.

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.

- Stainless Steel Body
- High accuracy and less spaciuous
- PLC Integrated System
- Option for Data Storage through Pen Drive
- No Vibration



## Technical Specification:

Processing Capacity: 2-6 Tons/hr Rice  
Power Required: 1.0 HP 1410rpm/70rpm  
Dimension: 2459mm x 1063mm x 4199mm  
Weight: 736 kg (Approx)



# Mini Rice Mill Plant

Capacity: 1000 Kg/hr.



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- 1 Feed Hopper
- 2 Destoner
- 3 Single Elevator
- 4 Huller
- 5 Double Elevator
- 6 Paddy Separator
- 7 Rice Whitener
- 8 Broken Rice Sifter
- 9 Switch Panel
- 10 Circuit Assembly
- 11 Checking Window

**Features:** Compact structure, simple operation, convenient maintenance, little noise, high yield. it is suitable processing rice in farmlands, towns, grain shops and specialized households. The machine can work well with follow-up equipment, such as husk grinder, white rice grader, rice color sorter, emery/iron roller rice whitener, mist polisher, packaging machine, etc.

## Main Parts

- Single bucket elevator with loading hoppers, drive motors and discharge heads with pipes to connect units in sequence.
- Combined double flat Pre-cleaner with aspirator and De-stoner
- Horizontal Emery-roller Whitener with bran aspirator and cyclone
- Rubber roll Husker with aspirator
- Double bucket elevator
- Gravity paddy separator
- Broken rice grader

## Power (24kw)

- Pre-cleaner & De-stoner single elevator: 1.1 kw
- De-stoner blower: 2.2 kw
- Double elevator: 0.75 kw
- Husker: 4 kw
- Paddy separator: 0.75 kw
- Rice whitener: 15 kw
- Small rice grader: 0.25 kw

## Main Machine Functions:

- **Rice De-Stoner Machine**  
This Machine combines the functions of paddy cleaning and stone removal. Multi-layered, removes stones and dust and other impurities from paddy.
- **Rubber Roll Husker**  
Used for paddy shelling
- **Single Elevator**  
Used to deliver paddy to the De-stone machine
- **Gravity Paddy Separator**  
Used to separate rice and brown rice
- **High-power suction type EmeryRoller Mill (Rice Whitener)**  
Capable of effectively removing the silver skin & the bran layer from dehulled rice

## Technical Specification:

Capacity	Voltage	Speed of Main Spindle	Dimension (LxWxH)	Weight
1000 kg/hr	415-50Hz	1350 rpm	2800x1500x2900mm	1620 kg

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