

MACHTO MANUFACTURER PVT. LTD.

Manufacturer & Supplier of Complete Rice
Milling Plant & Rice Mill Machinery

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Manufacturer & Supplier of
**Complete Rice Milling Plant
& Rice Mill Machinery**

www.machto.in



ABOUT US

We at MACHTO MANUFACTURER PVT. LTD. (MMPL) consistently working with dedication to manufacturing world class high quality complete rice shelling plant, rice mill machinery and its spare parts. Starting in, 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 spreading over 5000 sq. mts. facility with 100+ skilled professionals staffs, workers and after sale service provider, who are 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.

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 automation.

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.

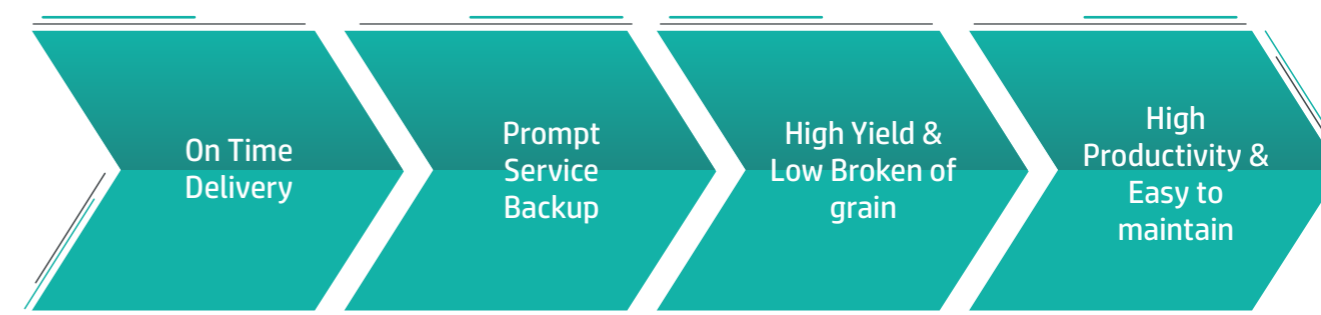


Our Vision

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:



Paddy Pre Cleaner

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

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



Rice Polisher TQN168



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
- Dosing 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

Pneumatic Rubber Sheller/Dehusker

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.

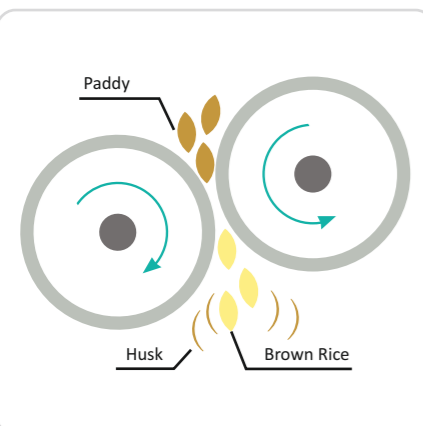
This machine is equipped with automatic systems that control the pressure exerted by the rollers, as well as the correct feed rate for the input grains.

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

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.

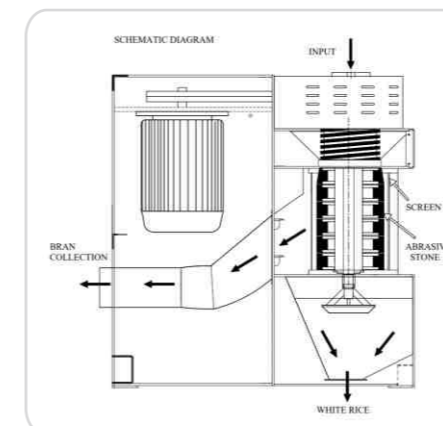
This machines is equipped with a mechanism for adjusting degree of whiteness.

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

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 6 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

Rice Shifter/Multi Grader

Highly Efficient Rice Shifter/
Multi Grader is used to remove husk
from all of rice.



Sifter 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 fine cleaning difference in size, tip broken from head rice and to remove husk from all kind of rice, large broken, small broken and tips. 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

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

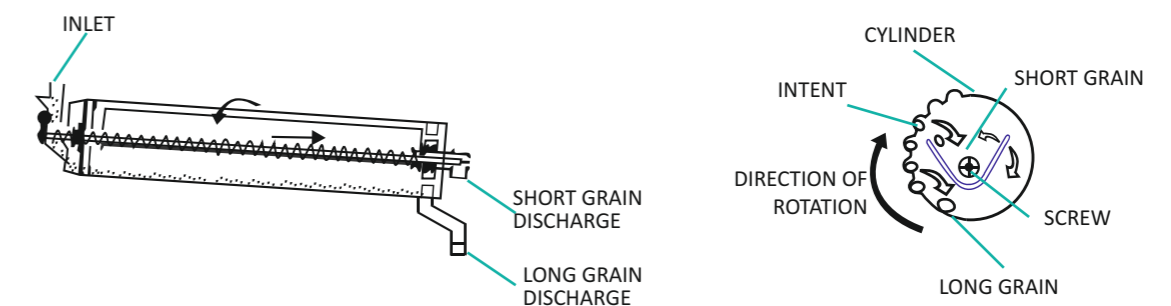
Salient features:

- 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

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

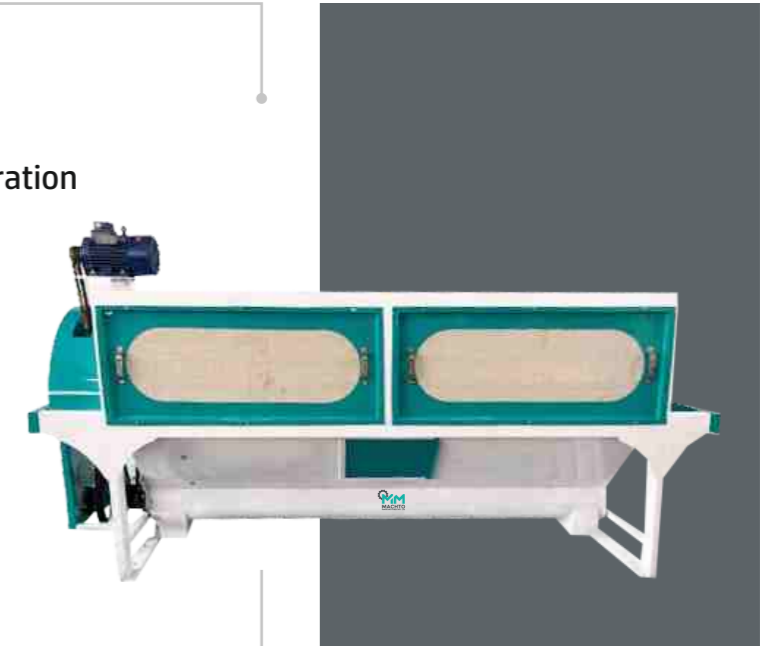
Salient features:

- 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
- Dosing 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/Centrifugal Machine

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



Bran Filter/Centrifugal machine is a simple yet highly effective for processing bran. This highly innovative product design guarantees smooth product flow and clean mechanism. This Machine is high performance technology with optimum hygiene and its 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	

Bucket Elevator

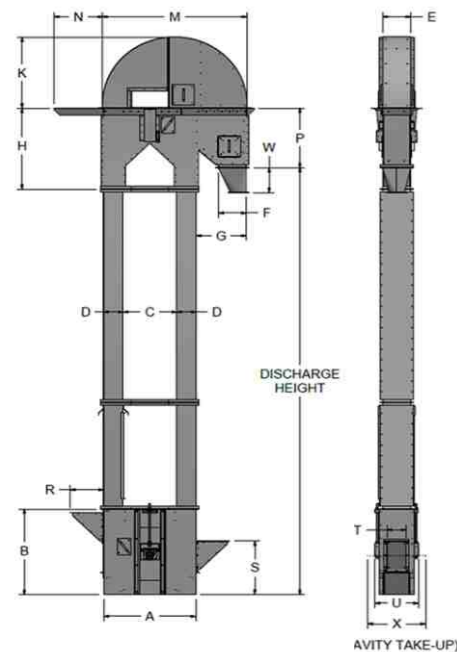
Highly Efficient Elevators are used for conveying the material vertically to the next machine.



Blower for Rice Mill

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



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.

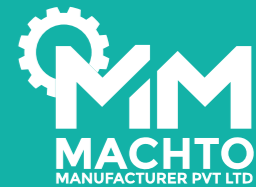
Cyclone for Rice Mill



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.

Nutritional FORTIFIED RICE KERNELS (FRK) PRODUCTION LINE



- 1 Mixer
- 2 Screw Conveyor
- 3 Twin-Screw Extruder
- 4 Vibrating Feeder
- 5 Air Conveyor
- 6 Dryer
- 7 Hoister
- 8 Vibrating Feeder
- 9 High-Temperature Inflated Oven
- 10 Hoister
- 11 Microwave Dryer
- 12 Cooling Machine

Nutritional Fortified Rice Kernels (FRK) making machine is developed to meet the demands of food nutrition. This production line is improved to avoid the loss of nutritional in the rice which is made by the traditional rice processing. It has characters of high automatic, easy operation, energy saving and environmental protection. The raw materials for artificial rice processing can be rice, black rice, buckwheat and other grains(broken rice and rice bran can be reused). You can also add additional nutrient components, such as vitamins, minerals etc. After extruding, forming and drying, you can get the nutritional artificial rice, which is eaten same as natural rice is fortified rice is a grain product made to resemble rice.

It is usually made from broken rice, sometimes with the addition of other cereals, and often fortified with micro-nutrients, including minerals such as iron and zinc and vitamins, such as vitamin A and vitamin B. For this process, the broken rice and rice bran can be reused. Process for making artificial rice grains, comprises a mixture of rice flour, water and oil in extruder, forming into rice-grain shape, drying and cooling in low temperature. The technique makes it feasible to avoid the loss of nutrition.

Capacity on Paddy	Power (HP)	Control System	Weight (kg)	Computerised
100-500 kg/hr	50 HP	PLC Control	1800	Yes
Automatic	Voltage	Raw Material	Material	Installation
Yes	415	Rice	Stainless Steel	Free Stand



BIS Certified Fortified Rice Blending Machine

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 spurious
- 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)



Multi Purpose Sorting Machines

Most Advanced & High Quality

MM Series Multigrain Color Sorter

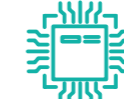
New Multi Purpose Sorting Machines



Minimalist Design
Optimized structural design
Technology and aesthetics



Cost-effective
Keep it simple
Meet more customer needs



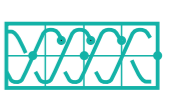
Pure Sorting Performance
Starting from the core,
strengthening core technology
promote a new world of
rice sorting



Smart Backup
Color sorting parameters
Back up at any time.
Call at any time



Feeding protection
More protection
More Intimate



Balanced flow rate control
Cutting flow rate detection
Timely analysis, timely control

Technical Specification

Model	Channel	Capacity	Compressor	Voltage	Power	Dimension	Weight (Kg)	Accuracy
	Chute	(T/H)	(HP)		(KW)	(L x W x H)		
MM-32	32/1	0.1 to 0.5	5 HP	220/50Hz	0.8 KW	1107x1640x1700	200	> 99%
MM-1	64/1	0.5 to 0.8	7.5 HP	220/50Hz	1 KW	1007x1641x1967	250	> 99%
MM-2	128/2	07 to 1.3	10 HP	220/50Hz	1.4 KW	1321x1641x1967	400	> 99%
MM-3	192/3	1.5 to 2	15 HP	220/50Hz	1.8 KW	1635x1641x1963	580	> 99%
MM-4	254/4	2 to 2.5	20 HP	220/50Hz	2 KW	1949x1641x1967	720	> 99%
MM-5	320/5	2.5 to 3	25 HP	220/50Hz	3 KW	2314x1550x2050	900	> 99%
MM-6	384/6	3 to 3.5	30 HP	220/50Hz	3.5 KW	2630x1590x2050	1020	> 99%
MM-7	448/7	3.5 to 4	15 HP	220/50Hz	4 KW	2942x1590x2050	1250	> 99%
MM-8	512/8	4 to 4.5	40 HP	220/50Hz	4.5 KW	3443x1590x2050	2030	> 99%
MM-10	640/10	4.5 to 5	50 HP	220/50Hz	5 KW	4070x1550x2050	2500	> 99%



Mini Rice Mill Plant

Capacity: 1000 Kg/hr.

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.



- 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

Technical Specification:

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

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

We have complete range of
EFFICIENT AND RELIABLE
PADDY PARBOILING PLANT & DRIER
for your **GRAIN MILLING BUSINESS SOLUTIONS**



We have great experience in dealing manufacture of paddy parboiling and paddy drier plant. Our units are fully equipped with advanced machinery such as CNC cutting & bending machine, Power Shearing Machine, Lathe Machine and has a complete welding workshop with tig, mig, arc welding and other modern machines.

Our parboiling and drier plants are manufactured with Stainless steel that make our unit Superior Quality Products that meet the global standard.

We delivery solutions and well-engineered products at competitive prices. Our core competence is in delivering high quality Stainless Steel material for process engineering solutions.

We have experienced engineers to make our plants state-of-art level and delivering 24x7 after sales service backup to our customers.

