



HARYANA FABRICATOR

Where Quality is Our Prime Motto...



Manufacturers of:

**Parboiling Plant &
Steaming Plant**

www.haryanafabricator.com

Leader in Parboiling Plant, Steaming Plant & Dryer Plant



**We Offers world
class Parboiling Plant
Unit, which is durable
and cost-effective.**

ABOUT Haryana Fabricator

Haryana Fabricator from Nissing, Haryana is well managed by our mentors with their efforts, high intention and skilful execution. As we all know that rice is an essential food grain for the human beings and an important crop for the farmers. With every passing year, the production of rice is increasing constantly, contributing in the economic growth of India. To provide the best quality rice to consumers, good quality rice processing equipment that help in minimizing the post-harvest losses and maintaining quality of the rice. If We are a manufacturer, trader and supplier of high-quality Parboiling Plant, Paddy Dryer, Paddy Cleaner Plant, Blower and Heat Exchanger. The state-of-the-art technology is used to design & develop the equipment. Plus, the whole product range is manufactured in accordance to the global quality norms and current market trends.



Why Choose Us?

Numerous clients in the marketplace choose us over our counterparts because of the following aspects:

- Superior Quality Products
- Team of Skilled & Experienced Professionals
- Ultra-Modern Production Facilities
- Time-Bound Delivery Schedules
- Industry Leading Rates

Infrastructure

We have a well-established production unit covering an area of 1.5 Acres in area. Our infrastructure has different departments like procurement unit, product designing & development unit, marketing department. The raw material used for the production of our Industrial Equipment is stainless steel, which we import from the most reliable sources.

Quality Assurance

We have Research and Development (R&D) Unit keeps the products updated as per the market need. All the raw materials are checked by our quality department, they also check each finished product on the basis of their processing speed, cleaning capacity, milling capacity, drying capacity and other factors. And so, we are able to offer the best-in-class equipment to our customers.

Our Strength

We have a team of professionals that includes mechanical & electrical engineers, industrial designers, marketing personnel and other staff that supports our entire production process. Our team members work in coordination to meet the demands of product designing process.

Material

High quality of the raw material & strict quality control norms enables us to deliver high quality product which not only minimize the maintenance cost of our customer but also result in more saving per production yield. All parts are specially designed for easy & trouble-free operation, high energy efficiency & minimum manpower involvement which ensures higher profitability, less broken percentage & additional value realization.



Paddy Parboiling Plant

- Fully Automatic
- Optimum Steaming
- PLC Control System
- Maintain Quality of Rice
- Saving Manpower



Paddy Parboiling Plant is an important part of the rice manufacturing. The plant is made using high quality metal and is easy to operate. The parboiling is a process in which the paddy/rice is steamed in a controlled environment. The offered plant is very safe and helps in effective parboiling of paddy without breaking the pieces. The plant is highly suitable for use in the various industries. The Paddy Parboiling Plant is very cost effective and easy to maintain.



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Paddy Processing Concept

Our plant is equipped with high degree of automation in order to produce variety of parboiled rice with desired quantity and quality of carbohydrate, protein, vitamins and minerals. These plant ensures that the rice produced is of International standards in terms of color, texture and flavor. These plant is suitable to produce three types of rice called Basmati, Creamy, Golden and White Rice.

In this process, first pre-steaming the cleaned raw paddy for about 2-3 minutes by soaking via circulated water at particular temperature till the desired moisture is achieved. Thereafter, the paddy is drained and transferred to steaming cooker for final steaming. The steamed paddy is then transferred to dryer for uniform drying, where the moisture content is reduced to 11-12% range.

Technical Specification

Power	: 37.6-72 kW, 6.6 kw
Design	: Customized, Standard
Finish	: Powder Coated
Height	: 30-40 Feet
Weight	: 3900 Approx.
Voltage	: 380 V, 440V, 230-240 V
Capacity	: Minimum 12-50 Ton, 16-96 TPD, 500-1000 Kg/hr, 1 Ton-100 Ton, 8 Ton
Material	: Stainless Steel, Mild Steel
Pressure	: 6-7 Bar
Dimension	: 4100 x 2400 x 7500 mm
Phase Type	: Three Phase
Drying Time	: 1-1.5 Hours
Power Source	: 1000 HP, Electric, Electricity
Soaking Time	: 2-3 Hours
Material Grade	: SS 304
Surface Finish	: Mild Steel Surface is color coated
Automatic Grade	: Semi-Automatic, Automatic
Automation Grader	: Automatic
Working Pressure	: 0-5 kg/sq. cm. g, 4-10 kg/cm ²
Surface Finishing	: Paint Coated
Production Capacity	: 2.5-3 / 5-6 Ton Per Hour
Working Temperature	: 60-80 Degree C.



Paddy Dryer Plant

- Efficient in Enhanced Heat Transfer
- Reuses of Paddy Husk
- Minimum Power Consumption
- Maintain Quality of Rice
- Saving Manpower



Used for the motive of boiling raw paddy rice to boiled rice, the following Paddy Parboiling Dryer Plant is a very crucial structure in the mills. The described Paddy Parboiling Dryer Plant comes with the complete arrangement of tanks, elevators, fan and boiling mechanism. These all elements collaborate with each other to product the expected output. We provide this complete set up at a very affordable price rate with all the required products arranged as per the requirement.





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Paddy Drying Concept

Harvested paddy has 18-25% of moisture which is unsafe for storage. The optimal moisture for storage is 12% to 13%. This dryer utilizes Hot air technology through flue gas. The hot air flow out from the Furnace is made to pass through a heat exchanger. Heat exchanger utilizes maximum heat from the flue gas, which increases the heat transfer efficiency. This heat exchanger provides an indirect heat required to dry the paddy. This dryer utilizes Steam from boiler / dryer to heat air via Steam Heat Exchanger unit.

Technical Specification

Motor Power	: 20 HP
Design	: Customized, Standard
Finish	: Powder Coated
Height	: 30-40 Feet
Weight	: 3900 Approx.
Voltage	: 380 V, 440V, 230-240 V
Capacity	: 800 Ton Per Day
Material	: Stainless Steel, Mild Steel
Pressure	: 6-7 Bar
Dimension	: 4100 x 2400 x 7500 mm
Phase Type	: Single Phase
Drying Time	: 1-1.5 Hours
Power Source	: 1000 HP, Electric, Electricity
Soaking Time	: 2-3 Hours
Material Grade	: SS 304
Surface Finish	: Mild Steel Surface is color coated
Automatic Grade	: Semi-Automatic, Automatic
Automation Grader	: Automatic
Working Pressure	: 0-5 kg/sq. cm. g, 4-10 kg/cm ²
Surface Finishing	: Paint Coated
Production Capacity	: 2.5-3 / 5-6 Ton Per Hour
Working Temperature	: 60-80 Degree C.



Accessories & Spare Parts

High quality accessories and spare parts used in parboiling & dryer Plants.



Paddy Pre-Cleaner

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.

Capacity : 5 to 15 Tonnes Per Hour

Size: 8 x 4 Feet High

Salient features:

- Pre-Cleaner features in three sieves system to give up to 100 Yield clean paddy.
- Sieve system with an individual sieve slope for optimum separation on each screen.
- An inlet feed roller to feed over the entire working width of the machine.
- It is fixed and variable drive to suite specific requirement and driven by 5+2 HP Motor.





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Heat Exchanger

Our Heat Exchanger is an equipment and built in such a way which transfers heat/hot air at low pressure steam having trap line consisting of Bucket trap and Iter strainer to drain out Condensable form of Steam i.e water and a passage to take out Non Condensable gases, steam which is given through inlet of the Heat Exchanger from Boiler.

Our Heat Exchanger is operated through low pressure as our system prevents the accumulation of the Non Condensable gases in the chamber of Heat Exchanger avoiding the back pressure of steam from boiler right from the world goes hence minimizing the pressure on the boiler. Condensable from u.e water is separated from the steam through Bucket Trap system with Filter Strainer placed under the Heat Exchanger.



De- moisturizing process of the paddy is carried out in the dryer, if water is added through steam which contains water then it takes a lot of time to dry the paddy. Hence proper trap line system is provided in order to take away the water from steam and the water which is duly puri ed in the Filter Strainer and the same Itered water is carried to Boiler result in reducing the burning of the fuel.

We manufacture the steam Heat Exchanger in different capacity (from 18 tonners to 24 tonnes paddy to be dried in the dryer per day) Very comfortable for cleaning of all tubes because it is folding system.



Power Efficient Blower

Power Efficient Blower is generally utilized for ventilation, de-cleaning, air passing and handling in the plants. The offered Blower are available in a variety of sizes, dimensions and other such specifications to choose from and can avail at the industry leading prices.

- Blower Type** : Centrifugal
- Body Material** : Stainless Steel SS
- Motor Rating** : 0-1 HP
- Current Type** : AC

Accessories & Spare Parts

High quality accessories and spare parts used in parboiling & dryer Plants.



Bucket Elevator

Technical Specification:

Capacity :- 3-7 Mt/Hr. Power :- 2-3 HP

- Features:**
- It has long lasting and durable.
 - It has cleaner discharge and flexible faster.
 - It has less wear & tear of transmission belt.
 - It is strengthy, non corrosion, non sparking and extra-ordinary tough.
 - When power failure the belt and bucket won't come back due to reverse locking system (optical).



Rice Cyclone

Cyclone separates the air and solids coming into the system. It is designed to have diverse diameter and length which in turn facilitates it to cope up with the required air volume flowing into the system.

Material	:	Mild Steel
Power	:	240 V
Power Source	:	Eletrical
Pressure	:	High Pressure



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Rubber Belt Conveyor

A Belt conveyor is a material handling system that uses an effective and seamless technique to transfer supplies, materials, and components while saving time, energy, and money. The belt conveyor design includes two motorized pulleys with the conveyor material looped over them.

To initiate the belt conveyor's motion, the pulleys move at the same speed and in the same direction. All of the different types are used to convey materials and commodities along a continuous path. Though motorized conveyor belts are the most common type of conveying system, there are also systems that move goods using rollers without using a motor.



The carrying medium of a belt conveyor system, is one of the various types of conveyor systems available today, is a belt conveyor. To work effectively and perform the activities required by the belts, each belt conveyor system requires distinct modules.

Type	: Flat Belt	Customised	: Yes
Load Capacity	: Upto 200 Kg	Speed Adjustable	: Yes
Application	: Packaging		

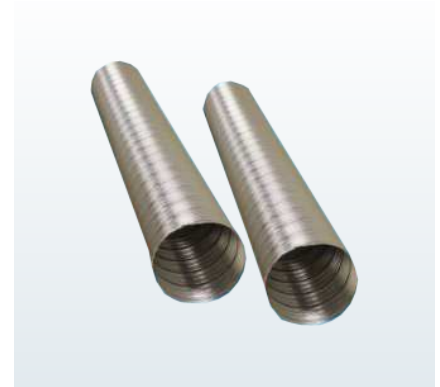
Fire Heater



SS Elevator Bucket



SS Chimney





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Rice & Food Processing Machinery

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