

AgroMach

Symbol of quality and trust . . .

FLOUR MILLING

for easy processing
wheat into flour



Get your

**BUSINESS
2X**

with our Hi-Tech Machines

in 6 months

Designed for processing wheat into flour, the Agromach Plant has been developed utilizing state of the art technology to provide excellent results to our customers, right for cleaning, grading and milling the grains into flour, delivering clients with supreme quality product yields that not just meet but exceed their expectations.

production
capacity

25 to 600
tons/day

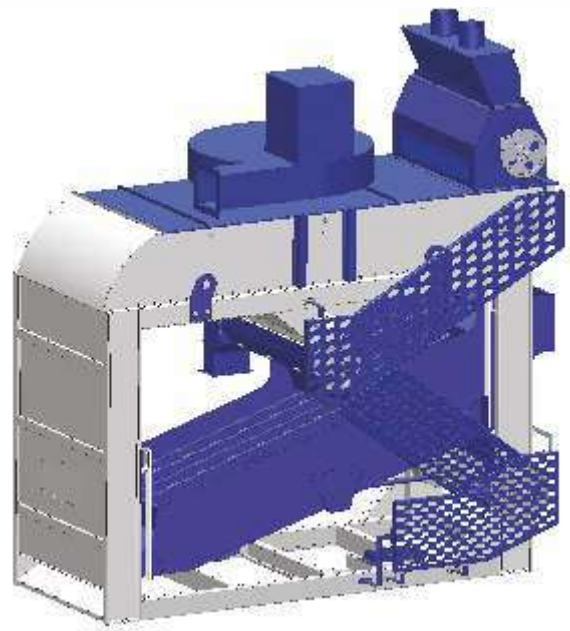


Precleaning and Cleaning

Precleaning and Cleaning phases are fundamental to obtain best final product. These operations have the aim to remove impurities and foreign bodies from wheat working on dimension, shape and specific gravity difference of the material which must be removed. We employ specific machine for each operation designed to obtain high performance with lowest possible energy consumption.

Agromach Precleaner

Highly Efficient Agromach Precleaner used for pre cleaning of wheat



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 2nd 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.
- Furthermore it also ideally suited to dress malting barley and milling grain to be highest quality commercial sample at a reduced throughput.

Specifications

Modal No.	Capacity on Wheat	Capacity on Paddy	Fan Motor	Sieve Boat Motor	No. of sieve boat	Dimension (L X W X H)
PEPC-900	6-7 TPH	3-5 TPH	5 HP	2 HP	1	3000mm x 1450mm x 2210mm
PEPC-1200	7-10 TPH	5-7 TPH	7.5 HP	2 HP	1	3000mm x 1750mm x 2210mm
PEPC-1500	12-15TPH	10-12 TPH	10 HP	3 HP	1	3000mm x 2050mm x 2210mm



Drum Sieve

Drum sieve is widely used for sieving grains like rice, wheat, maize, pulses and many others. This is usually the first stage of cleaning and mainly used for removing the agriculture waste from the food grain. High hourly capacity, guarantees an efficient precleaning of grains, removing coarse impurities.

Vibro Separator

Vibro separator is used for size wise cleaning and dressing of wheat and other grains. Compact and reliable machine ensuring excellent results compared to traditional separators. This separator is designed and manufactured using premium grade raw material at our sophisticated manufacturing unit by our experts. The offered Vibro Sieve Separator is available in various technical specifications according to the requirements.

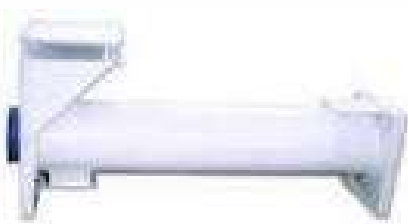


Destoner

Destoner is used to remove stones from the material also it classifies grain in two streams of different density. Our offered machine is manufactured using basic components and ultra-modern techniques in adherence to set industry standards. We have used latest technology and trained engineers to develop the machine.

Cockle Cylinder

Cockle cylinder is used for a most reliable separation of round and long seeds from wheat, using different combination of Pocketed sorting cylinders. We are among the reputed organizations, engaged in manufacturing, exporter and supplier of optimum quality range of Cockle Cylinder. Under the observation of our diligent experts, this cylinder manufactured using quality approved components with the aid of progressive techniques.



Intensive Dampeners

Our Intensive Dampener ensures uniform water distribution to Kernels with thorough penetration & absorption also in reduced conditioning time.

Intensive Scourer

Horizontal Scourer that is used to remove dusts, minute impurities and sand particles from the food products also it roughens the surface of wheat which helps in uniform absorption of water during dampening. In this machine cleaning takes place through the friction produced between rotor and stator and the rubbing action between grains.



Entolator

Entolators serve as de-germinating machine. These machines are used for cleaning grains by centrifugal force against a hard surface, disintegrating unsound kernels and breaking dirt clods. Our range of machines can also be custom made to suit the specific demands of our clients.

Impact Dehuller

We are instrumental in manufacturing, exporting and supplying an excellent quality array of Impact Dehuller for catering the various needs of our clients. This dehuller is manufactured using quality tested raw materials by a team of our adroit professionals with the implications of contemporary techniques. Owing to its impurity material separation capacity, it is used for hulling of sunflower seeds and oats for further separation of hulls. Moreover, this Impact Dehuller can be purchased at competitive prices.



Duck Aspiration Channel

Duck shape aspiration channel with integrated blower is ideal machine, with reduced air consumption and limited overall dimensions, for efficient exhaust of grains in cleaning section. It is used at the discharge point of Scourer & impact dehuller (emery roll) for removing the chaff.

Horizontal **Roller Mill**

Horizontal roller mill machine is used for grinding of different variety of wheat, barley, malt and any other grinding applications. Horizontal configuration with direct pickup with feed roll engaged and disengaged. Our machine has uniform distribution of the product to grinding rolls with the help of feeding roll at constant rate. Industrial automatic roller mill machine grinding operation takes place with series of roller mill. Grinding capacity and quality of ground material depends on number of roller mill used in the milling plant. Our Machine is provided with welded steel basement and stainless steel components parts entering into contact with product for exemplary sanitation and an efficient, constant and automatic milling operation. Differential transmission of power between grinding rolls provided by a special profile belt.



Impact **Detacher**



Impact Detacher is used to improve flour quality. This detacher is designed and manufactured by our skilled professionals utilizing supreme grade raw material in our well-equipped manufacturing unit under our experts' supervision. This machine is efficient in disrupting flour flakes generated by the smooth reduction passages thus making easier the following sieving operations.

Vibro **Purifier**

Purifier is used in the purification and grading of semolina in common wheat, durum wheat and maize. More uniform air distribution for perfect product stratification and distribution over sieves. Perfect reciprocating motion during transient phases by means of a new mechanical drive arrangement.



Plan Sifter

Plan Sifter that is used to separate small granules & powder impurities with the help of various sizes of sieves. The machine is divided into three sections: a central body and two lateral cabins housing the sifting channels. Central body in heavy duty welded steel construction with counterweight rotating on double-row roller bearings, incorporates the drive motor.



Reverse Jet Filter

The Reverse Jet filter is used to provide high quality filtration of the conveying air, providing continuous operation. Suitable for a wide range of filtering applications, it provides high efficiency even under difficult working conditions; particularly utilized on the central exhaust and pneumatic conveying system.

Bran Finisher

Centrifugal Bran Finisher is used for fine cleaning and proper finishing of food grain powder in flour mill plants. This Machine separates the pure endosperm stocks adhering to bran to improve flour yield.



Water Flow Meter

Owing to our advanced infrastructural facilities in this domain, we are able to provide pristine quality Water Flow Meter. Water flow meters are used for checking and controlling the flow of water in intensive dampener.

Hammer Mill

The Hammer Mill has very wider application but in flour mill the wheat coating removed in emery roll is grinded using it which is further mixed in bran separated in plant shifter.



Vertical Grain Discharger (Bucket Elevator)

Agromach specializes in manufacturing of Vertical Bucket Elevator duly Powder Coated for longer life. Steel used of Jindal / Tata steel. All sheet metal components are manufactured on CNC machine for accuracy. Hardware made of Jindal Fasteners Limited company of high tensile and nickel chrome plated. We Use Nylon nut on hot forge bucket bolt for durability.

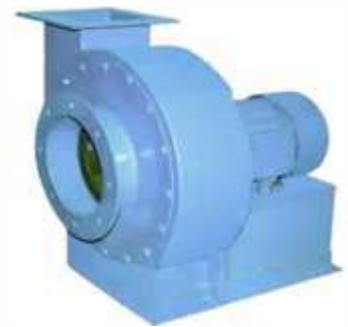
Speed Reduction : By Gear Box of Suitable Gear ratio fixed on motor

Capacity : up to 150 Ton/Hr. Based on wheat

Centrifugal Fan

(High pressure & Low pressure)

High capacity, reduced power consumption, low noise level, and shapes suitable to any plant requirements. We are an outstanding entity, betrothed in manufacturing, exporting and supplying top grade Centrifugal Fan. Along with Blower we provide anti-vibration pads, Canvas duct and damper as complimentary.



Cyclone

Being a customer oriented organization, we are deeply engaged in manufacturing, exporting and supplying a wide array of Industrial Cyclone. This cyclone is manufactured using optimum quality components by dedicated professionals at our modern premises. The provided cyclone is used in kitchen ventilation for separating the grease from the exhausted air in extraction hoods. In addition to this, the offered Industrial Cyclone can be bought from us at competitive prices.

Chain Conveyor

Chain conveyors are widely used in Rice mills for conveying Paddy , Rice , Husk and Bran.

Salient Features

- Made of high quality raw material, provide optimum and accurate performance.
- Sturdy construction, low maintenance and longer functional life.
- Drive System Geared Motor With Chain And Sprockets.
- U Shape Tuff Profile.
- Multiple Outlets Point Available As Per Specification.
- Self Lubricating Universal Bearing.
- Top Cover Available.
- In Feed Hopper Available If Required.



Screw Conveyor

To Move Grains, Granules, Seeds, Powder And Lumpy Material From One Point To Another Horizontally Or Inclined Direction.

Salient Features

- Made of high quality raw material, provide optimum and accurate performance.
- Sturdy construction, low maintenance and longer functional life.
- Drive System Geared Motor With Chain And Sprockets.
- U Shape Tuff Profile.
- Multiple Outlets Point Available As Per Specification.
- Self Lubricating Universal Bearing.
- Top Cover Available If Required.
- In Feed Hopper Available If Required.
- Available As Horizontal Or Inclined Type.
- Lengthy Screw Associated With Hanging Bearings



Pneumatic Slide Gate

These are operated with pneumatic cylinder and limit switch. They are provided with read switch, solenoid, valve, silencers, PU tube, elbows & connectors. When there is power break, pneumatic grain feed controller have a system to shut off automatically.



Salient Feature

- Complete body made of Stainless steel -304 grade. Superior quality Pneumatic cylinder
- Easy to disassemble and clean and Easy to maintain.

Manual & Chain Slide Gate

They are operated manually either directly or through chain (for heights). When there is power break, these sliding gates are closed manually either directly or through chain by operator.

Salient Feature

- Complete body made of Stainless steel -304 grade.
- Easy to operate, Easy to disassemble and clean, Easy to maintain.



Parameter

Range of Slide Gate : 100 to 250 mm



Atta Chakki

We are holding rich experience in the domain of manufacturing and exporting a quality range of Atta Chakki Machine . This equipment is manufactured in compliance with set industrial norms, using best quality materials and components.

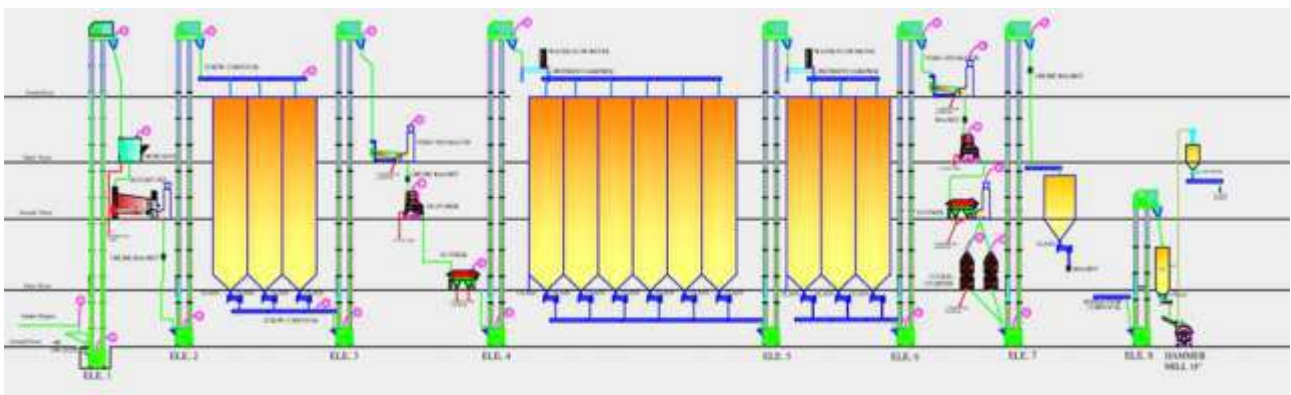
This equipment consumes less power and high operational fluency. We make this Atta Chakki Machine Plant available for clients in different technical specifications as per their requirements.

Airlock

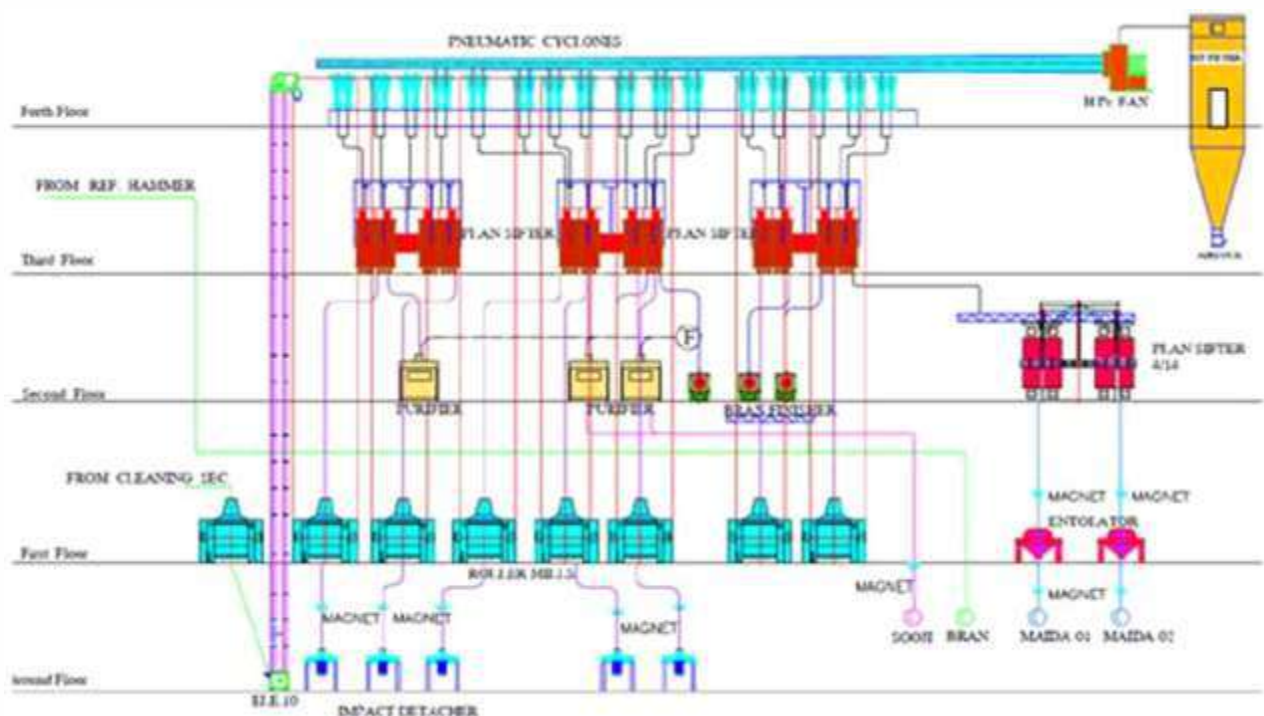
Rotary valve (Airlock) is used to transfer grains between two environments with different pressures. Thanks to a perfect air tight, this unit optimizes the products separation results. The provided airlock is used to control the flow of discharged material from collector (Cyclone) by maintaining an air seal.



Flow diagram for Flour Cleaning



Flow diagram for Flour Milling



www.agromachengineering.com



Agromach Engineering Pvt. Ltd.

India (Head Office) : Jajru Road Near Sector-59,
Faridabad, Haryana - 121004, INDIA

Mobile : +91 8800899171, +91 8800899183

E-mail : sales@agromachengineering.com
director@agromachengineering.com

Bangladesh (Local Office) : "Sarkar Bari" Ground Floor,
Flat-1/A, Latifpur (South) Colony, Bogra, Bangladesh

Mobile : +8801712-839866, +8801709-854503

E-mail : ashim@agromachengineering.com

Nepal (Local Office) : Ward No. 23,

Swetha Mahanagar, Palika, Birgunj Parsa, Nepal

Mobile : +977 984-5558414

E-mail : harish@agromachengineering.com