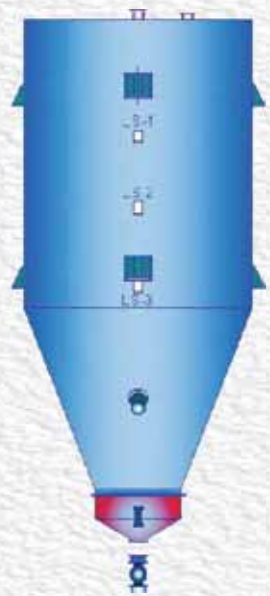


FLOUR STORAGE & WEIGHING SYSTEM WITH LOAD CELL ARRANGEMENT

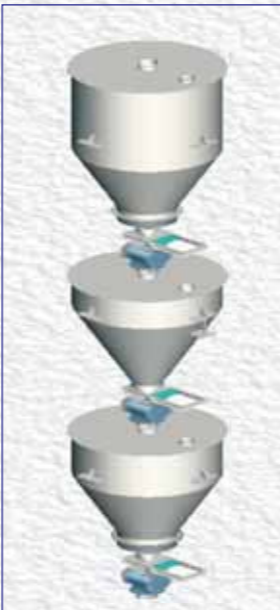


The Flour coming from mill of desired size of PARTICLES, is conveyed through SCREW CONVEYOR and BUCKET ELEVATORS is STORES in FLOUR STORAGE SILO.

THE avg. BULK DENSITY of 0.5/0.6 Gm./Cc. and Capacity of SILO is around FOUR HOURS production of Hammer Mill. The SILO is made of designed thickness and the conical portion of SILO is designed keeping angle of repose in mind for FLOUR having Avg. BULK DENSITY of 0.5/0.6 Gm./Cc. have Level switches, Vibrating Motors and BIN ACTIVATOR at the BOTTOM and ROTARY FEEDER.

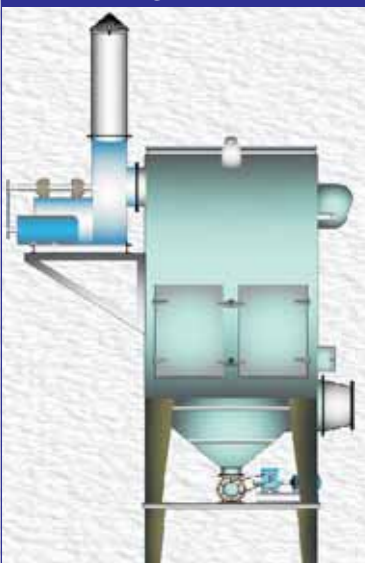


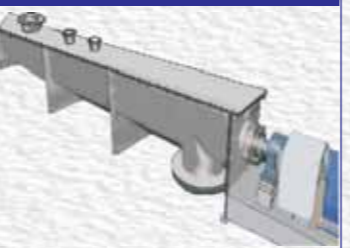


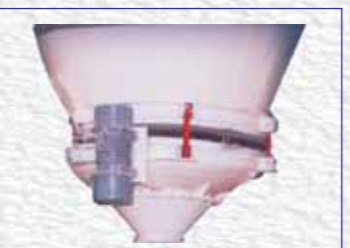
GRAIN / MALT STORAGE SILO

The FLOUR is FED into THREE HOPPER SYSTEM. The MIDDLE HOPPER is with LOAD CELL arrangement. Weigh Hopper controller with DIGITAL LIQUID CRYSTAL (DCL) TIMER and Totaliser also Printer interface SURGE HOPPERS below the LOAD CELL HOPPER. The SURGE HOPPERS have BIN ACTIVATORS and ROTARY FEEDERS for smooth and regulated DISCHARGE of FLOUR. The System is totally automatic and have PRINTER for WEIGHMENT RECORD. The size of HOPPERS, design of CONICAL portion of Hoppers is designed in such a way that smooth and uniform flour of FLOUR is achieved into PRE-MASHER. In this System FLOUR STORAGE SILO is used as SURGE HOPPER above LOAD CELL HOPPER.



WEIGHING SYSTEM WITH LOAD CELLS

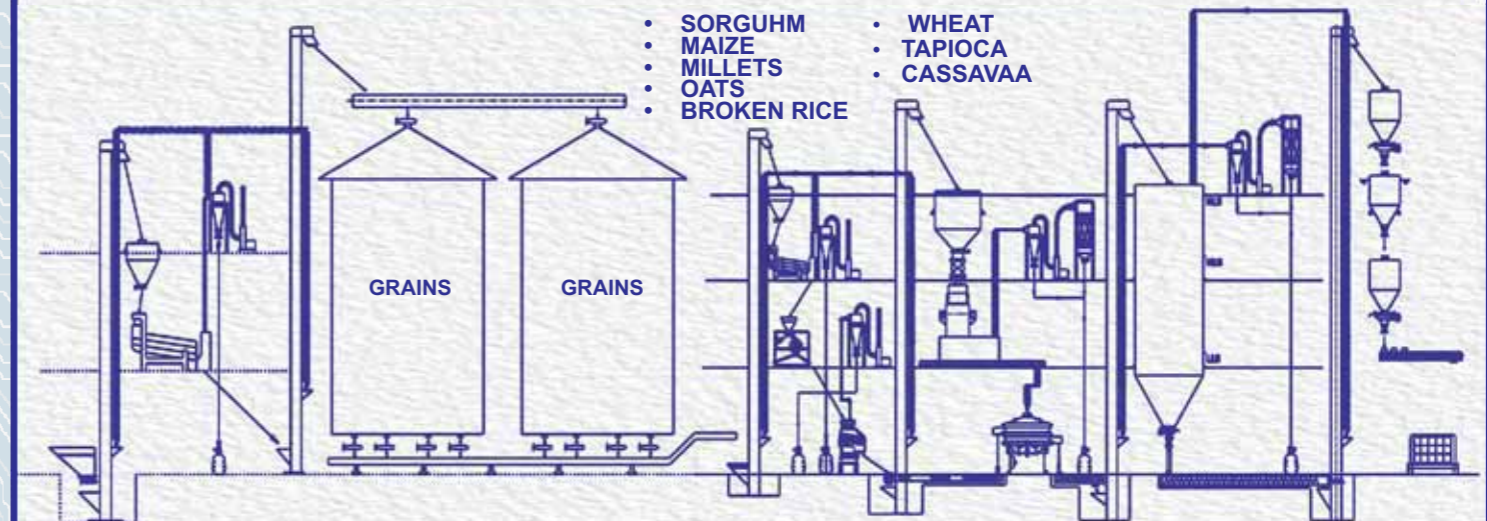
ANCILLARY EQUIPMENT

| | | | |
|---|---|---|---|
|  <p>BAG FILTER</p> |  <p>BUCKET ELEVATOR</p> |  <p>SCREW CONVEYOR</p> |  <p>SLURRY CONVEYOR</p> |
| |  <p>ROTARY VALVE</p> |  <p>VIBRO SCREEN</p> |  <p>BIN ACTIVATOR</p> |

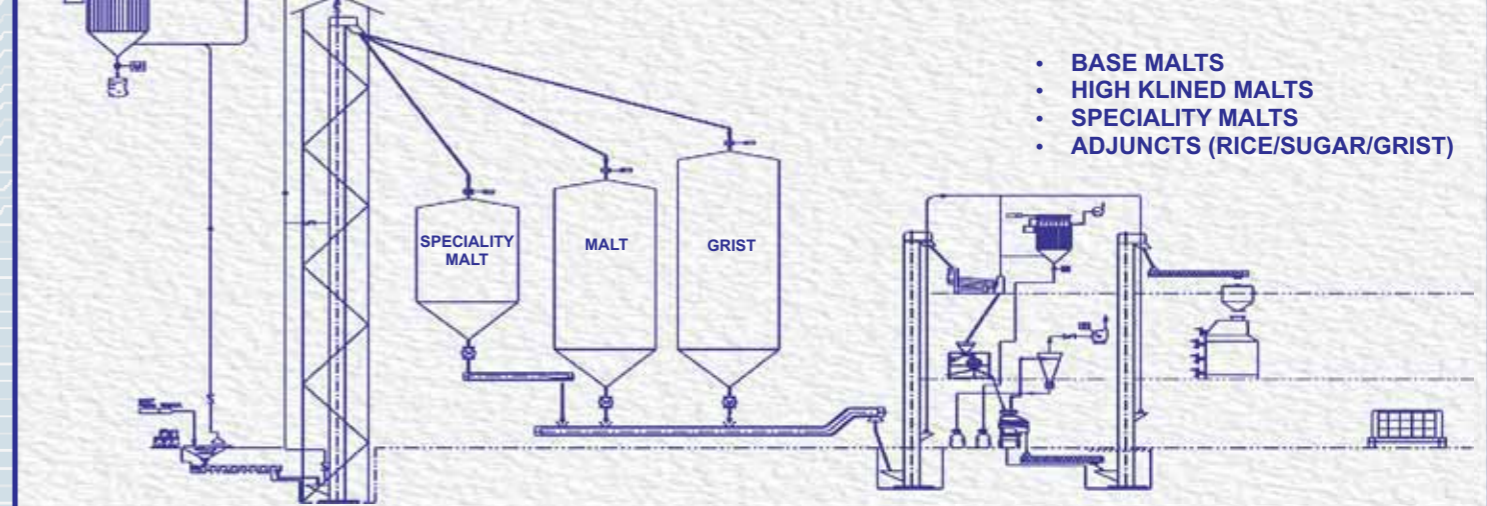
PREMIUM GRAIN/MALT MILLING PLANTS FOR DISTILLERIES/BREWERIES

MORE THAN 300 MACHINES AND 30 PLANTS & SYSTEMS SUPPLIED

GRAIN CLEANING, MILLING, FLOUR STORAGE AND WEIGHING PLANT CAPACITY : 2MT/HR to 25 MT/HR and ABOVE



MALT STORAGE, MECHANICAL CONVEYING, CLEANING & MILLING PLANT CAPACITY : 2 MT/HR to 8 MT/HR and ABOVE



Designed, Manufactured & Supplied by :

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PROFESSIONALS IN SIZE REDUCTION TECHNOLOGY



PLANTS & SYSTEMS

- GRAIN CLEANING
- GRAIN MILLING
- MALT CLEANING
- MALT MILLING
- FLOUR STORAGE
- FLOUR WEIGHING WITH LOAD CELL

KEY - EQUIPMENT

- Miracle Mills - MAX (NFS Hammer Mills)
- Miracle Mills - VHM (Ventilated Hammer Mills)
- Malt Roller Mills
- Pre-Cleaners
- De-stoners
- Magnetic Separator
- Vibro Screens / Roto Sifter
- Silos with Load Cell
- Elevators/Conveyors
- Bin Activators
- Aspiration System
- Rotary Feeders
- Pre Masher

PREMIUM PULMAN is leading manufacturer of SIZE REDUCTION EQUIPMENT and SYSTEMS. We have manufactured and supplied more than 5000 Pulverisers and 200 Systems and Plants for various applications.

We have been designing and supplying GRAIN CLEANING, MILLING and WEIGHING PLANTS since 1998. For NEW GRAIN BASED DISTILLERIES and for CONVERSION of MOLASSES to GRAIN BASED DISTILLERIES. We have more than 32 installations to our credit. Our PLANTS can process MULTI GRAINS like SORGUM, MAIZE, WHEAT, MILLETS and BROKEN RICE. The Flour Particle Size is below 1000 micron. The SCREEN in MILL & SCREEN in SEPARATORS decides this.

We have also designed and supplied MALT CLEANING and MILLING PLANTS for BREWERIES and SPIRITS, CASSAVA, TAPIOCA etc. Other STARCH based raw materials can be processed in our Plants. These PLANTS have CLEANING, MILLING, FLOUR STORAGE and FLOUR WEIGHING section.

CLEANING EQUIPMENT

PRE-CLEANER WITH ASPIRATION SYSTEM

This is complete with Aspiration System having Blower, Cyclone, Airlock Valve, Dust Collector & Drive Parts. The Pre-cleaner removes light impurities like Straws, Stem and fine dust. This machine is fabricated from Steel Frame and have 2 Screen layers and give dust free operation. As an additional feature we always provide Fabric Type Dust Collector with our Pre-cleaners. This makes operation DUST FREE. Shop manufactured UNBALANCED VIBRO MOTORS provide OSCILLATION SCREEN (DOUBLE) separates LIGHT and BIG impurities also DUST/small impurities. Available in FIVE Standard Models.



DE-STONER (VACUUM TYPE)

This machine is having in-built Aspiration System with Blower, Cyclone Collector and Rotary airlock Valve is provided. This machine removes heavier particles like stones and supplies almost stone free grains into the Grain Bucket Elevator.

The OSCILATION of DECKS takes the stones towards higher side where STONES are discharged. Shop manufactured UNBALANCED VIBRO MOTORS provide necessary VIBRATIONS to SEPARATE the STONES/GRAINS. The DESTONER is mounted on HEAVY FRAME. Available in FIVE Standard Models.

MAGNETIC DRUM SEPARATOR

This machine is built in Heavy Angles and Channels and complete closed design. The Permanent Magnetic Drum consisting of stationary Magnetic assembly.

The high intensity Chromium Ferrite Magnet having Gauss value of 2000 along with 1 No. High power Permanent magnet Plate at the bottom side outgoing chute is also provided at the bottom of the machine. This is CONTINUOUS DUTY Machine and is ideal for GRAINS/SEEDS and many other applications. Available in SIX Standard Models.



MILLING EQUIPMENT

MIRACLE MILL - MAX (NFS HAMMER MILL) SUPERMAX - DGM (DISTILLERY GRAIN MILL)

- THESE MILLS ARE DESIGNED TO GIVE HIGHER OUTPUT 75% / 80% SCREENING AREA.
- MILLS ARE DESIGNED AS DIRECT COUPLED/V-BELT DRIVE TO GET DESIGNED TIP SPEED TO SUIT THE APPLICATION.
- EXTRA LARGE/THICK DOUBLE ENDED STAR TYPE GRINDING ELEMENTS CAN BE GIVEN IN DIFFERENT ALTERNATIVE DESIGNS FOR SPECIAL APPLICATION.
- THE HOOD IS PROVIDED WITH SPECIAL ARRANGEMENT TO FACILITATE EASY OPENING FOR CHANGING SCREEN/HAMMERS ARRANGEMENT.
- ALL MODELS ARE AVAILABLE WITH BOTTOM DISCHARGE ARRANGEMENT, ROTA FEEDING ARRANGEMENT.
- ASPIRATION SYSTEM PROVIDED.
- LARGE SIZE FEED OPENING.
- CONVENIENT SCREEN CHANGING/HAMMER CHANGING.
- CONVENIENT HOOD OPENING.
- 270°-300° SCREEN AREA - MINIMUM RESISTENCE TIME.
- TIP SPEED OF HAMMER MILL - 90 MTS/SEC AND ABOVE.
- STAR DOUBLE ENDED HAMMERS/T.C. TIPPED (ONE EDGE) HAMMERS.
- PLANUM CHAMBER PROVIDED TO CONNECT ASPIRATION SYSTEM.



AVAILABLE IN 2 MT/HR TO 25 MT/HR CAPACITY MODELS.



VENTILATED HAMMER MILL

This is HORIZONTAL TYPE HAMMER MILL. The raw materials with moisture content (more than 5%), also requiring FINE GRINDING, our VENTILATED HAMMER MILL is found to be ideal. The raw materials like MALT, BARLEY, SORGHUM and other cereals, having little higher percentage of moisture (upto 12%) are ground in these MILLS. The high FORCED VENTILATION occurring into the grinding chamber provide COOL grinding compare to VERTICAL HAMMER MILL. The temperature increase during grinding operation is minimal and hence ideal for milling adjuncts having more percentage of moisture.

These MILLS have increased GRINDING ZONE (SERRATED BREAKING PLATE). This not only helps in FINE GRINDING also protects SCREEN from getting DAMAGED.

The MILL is built in three parts. The UPPER HALF is in TWO parts. This facilitates opening of MILL without disturbing the installation also facilitates EASY and QUICK change of HAMMERS and SCREEN.

The hole size of SCREEN is selected depending upon the material to be ground and FINENESS required. The Mill is available with ASPIRATION/VENTILATION SYSTEM.

MALT ROLLER MILL

- TO CRUSH THE GRAIN INTO THE DESIRED PARTICLE SIZE
- MINIMUM PROPORTION FLOUR (FINES)
- TO SEPARATE THE HUSK STRUCTURE
- LOW POWER CONSUMPTION
- LONG OPERATING LIFE OF ROLLERS
- ROLLER LOCK SYSTEM
- CHILLED C.I. ROLL
- TWO MODELS: FOUR ROLLS & SIX ROLLS

