



PHARMA MACHINERIES



V Blender



Drum Blender



Agitator



Coating Pan with dryer



Wet Granulator



Homoginiser



Double Cone Blender



Polishing Pan



Plantary Mixer



Sifter



Dry Granulator

All Purpose Lab Model



1. HORIZONTAL MAIN DRIVE [HMD]

The Main Base of the Horizontal Main Drive is fabricated out of Mild Steel (M.S.) Plates whereas different Equipment mounting Bracket is made up of Cast Iron and is further Hard Chrome Plated; also the Geared Motor is enclosed with S.S. Fabricated Cover which ensures no colored part is being used. The Horizontal Main Drive consists of 1 H.P. Geared Motor Drive the drive operates with the help of A.C. Frequency drive. The speed is variable and can be varied between 0 to 356 RPM. The drive also includes a timer in order to set time-based operations. All our Multi-Attachments can be easily mounted and dismantled on the drive with the help of two quick locking and unlocking Nuts / Knobs.

2. VERTICAL MAIN DRIVE [VMD]:

Our Vertical Main Drive & it features a 1 HP, 230 v, 50 Hz, 3500 Rpm single phase D.C Motor connected to Sturdy worm Reduction Gear Box is completely Maintenance free. The speed is variable and can be varied between 0 to 400 RPM. This is done via an electronic speed controller and the corresponding rpm is displayed digitally. The drive also includes a timer in order to set time-based operations. All our Multi-Attachments can be easily mounted and dismantled on the drive with the help of two quick locking and unlocking knobs.

Technical Data:

Dimensions [LxBxH] : 540mm x 300mm x 470 mm Approx.
Net weight : 70 Kg. Approx.
Gross weight : 85 Kg. Approx.
Packing [LxBxH] : 24" x 14" x 21" Inch Approx.

3. PLANETARY MIXER:

This mixer is designed to be used as a mixing for pastes ointments & creams. It can also be used for wet powders. This mixer is provided with a mixing paddle and Teflon scrapper, which is shaped in such manner so that there is minimum clearance with the mixing kettle. The kettle is also easily removable.

Technical Data:

Dimensions : 65 x 40 x 60 cms.
Net weight : 14 Kg. Approx.
Gross weight : 30 Kg. Approx.
Packing : 17" x 13" x 19" inch Approx.

4. DRY GRANULATOR:

The dry Granulator consists of two motor driven rollers with teeth. This forces the material to be granulated with very low proportion of powder. This is a very sturdy attachment and can be run continuously for granulating tablets / slugs and pellets.

Technical Data:

Dimensions : 50 x 35 x 45 cms.
Net weight : 12 Kg. Approx.
Gross weight : 30 Kg. Approx.
Packing : 11" x 11" x 20 inch approx.



5. UNIVERSAL GEARING:

The universal gearing is a basic requirement for our different attachment like the Coating Pan, Polishing Drum, Pelletier, Cube Mixer, etc. The Universal Gearing required when the operating angles for the above attachments have to be changed. The unit offers an adjustment of the angle of operation from 0 to 75 degrees.

Technical Data:

Dimensions : 25 x 15 x 15 cms.
Net weight : 6 Kg. Approx.
Gross weight : 12 Kg. Approx.
Packing : 12" x 10" x 10" inch Approx.

6. DOUBLE CONE MIXER:

This unit is used for rapid mixing of all types of free flowing powders and granules. The uniform, multidimensional arrangement of the mixer walls ensures good mixing. The vessel is manufactured from stainless steel and secured with threaded knobs. This unit can be attached to the Universal Gearing.

Technical Data:

Dimensions : 45 x 40 x 60 cms.
Net weight : 15 Kg. Approx.
Gross weight : 25 Kg. Approx.
Packing : 13" x 13" x 13" inch

7. SIEVE SHAKER:

This operates on the reciprocating cam principle. The intensity of the vibration can be adjusted by changing the speed of the drive unit. The shaker can be fitted with various sieve sets according to customer's requirements.

Technical Data:

Dimensions : 73 x 42 x 55 cms
Net weight : 10 Kgs. Approx.
Gross weight : 20 Kg. Approx.
Packing : 15" x 12" x 24" inch approx.

8. COATING PAN:

The coating pan is used to produce uniform coating on tablets.

This can be used with the universal Gearing and as a result different tilting angle can be set up to 45 Degree. It also permits speed control at any desired RPM. For drying the coated tablets an infrared radiator is provided. The pan capacity is 3.5 Kg. Approx.

Technical Data:

Dimensions : 60 x 35 x 75 [cms]
Net Weight : 10 Kgs. Approx.
Gross – weight : 20 Kgs.
Packing size : 15 x 15 x 12 [inch]

9. V – BLENDER:

The 'V' Blender is mainly used for mixing of dry power and it provides excellent results when mixing two different powers. This mixer provides a unique movement to the powers and thus mixes them very well.

Technical Data:

Dimensions : 35 x 40 x 60 [cms]
Net Weight : 12 Kgs. Approx.
Gross Weight : 25 Kgs. Approx.
Packing : 19 x 10 x 14 inch Approx.



10. CUBE MIXER:

The cube Mixer is based on a movement, which through its tumbling effect produces in the shortest possible time a homogeneous mixture. The product to be mixed is treated very gently. The cube Mixer can be attached to the universal gearing. The housing is manufactured from stainless steel.

Technical Data:

Cube Capacity : 3.5 Liters.
Dimensions : 58 x 35 x 70 [cms]
Net Weight : 3 Kgs.
Gross Weight : 8 Kgs.
Packing : 10" x 10" x 10" inch approx.

11. POLISHING DRUM:

The polishing drum consists of felt lined inside of a metal drum for polishing coated tablets. The bottom of the drum is also lined with felt. The polishing drum fits with the Universal Gearing exactly like the coating pan and the cube mixer. The top cover, which locks quickly in to place with closures. The cover is fitted with acrylic sheet, which help the observation of the polishing process while the machine is running.

Technical Data:

Diameter of Drum : 200 mm.
Dimensions : 76 x 60 x 28 [cms]
Net Weight : 6 Kgs.
Gross Weight : 15 Kgs.
Packing : 10" x 10" x 11" inch

12. BALL MILL – STANDERD MODEL:

This Ball Mill is a very sturdy attachment and mainly used for grinding crystalline materials and for the mixing of dry materials. The Ball Mill consists of the transmission drive, stand of the Ball Mill and the Ball Mill it self. The jar is stainless steel and contains balls, which vary in diameter for 30 to 40 mm. The jar rests on two spindles. One of which is driven spindle. The jar and balls can be sterilized in a water bath.

Technical Data:

Jar Capacity : 5 liter with 2 Kg. Balls.
Dimension : 48 x 45 x 68 cms.
Net weight : 20 Kgs.
Gross weight : 38 Kgs.
Packing size : 33" x 13" x 13" inch

13. PELLETIZER:

The unit is equipped with a tilting and locking device, which is easy to operate. This permits adjustment of the infinitely variable setting of the pan angle, over its whole range. For the cleaning of the sides as well as the bottom of the pan an adjustable scraper is provided. Parts coming in to contact with the material to be processed are made of polished stainless steel. The material to be processed is fed manually, or with a metering device, if a continues is required. The tilted palletizing pan, which rotates in a clockwise direction, is tilted to our motor drive. The material is brought to practically the highest point of the pan and then rolls down in the even scrim, to the lower half of the pan. In accordance with the nature of the material the necessary quantity of liquid to from the pellets is added in certain places. The rolling movement and the addition of moisture causes pellet form. Due to the tilted pan and the movement of the material the larger pellets are carried to the top surface. The size of the pellets can be influenced by the tilting angle of the pan by the amount of liquid added and the method, which it is introduced. As soon as the pan is full the pellets will continuously roll over the edge of the pan.



Technical Data:

Dia of the Pan : 400 mm
Dimensions : 45 x 40 x 75 cm.
Net weight : 8 Kgs.
Gross Weight : 15 kgs. Aprox
Packing Size : 18" x 18" x 7" inch

14. MINI BALL MILL:

The Mini Ball Mill is suitable to attach with Universal Gearing. This is suitable for preparing small samples for analysis or for grinding or mixing small quantities of power substances. The Mini ball Mill utilizes 15 mm diameter steel balls and has a total capacity of 0.5 liters.

Technical Data:

Dimensions : 25 x 15 x 15 cms.
Net weight : 7.5 Kgs. Approx.
Gross weight : 15 Kgs. Approx.
Packing size : 10" x 8" x 8" inch

15. HOMOGENISER:

This unit is suitable for mixing of different types of liquids with the 5 Liter capacity of Stainless bowl consisting of a Mixing Rotor Blades. The high speed rotation of the rotor blades within the precision machined mixing work head exerts a powerful suction, drawing liquid materials upwards from the bottom of the vessel and in to the center of the work head. The speed of the mixing Rotor Blade can be adjustable from 0 to 400 RPM By means of a electronic speed control unit. All contact parts are made from stainless steel. This unit is suitable for screwing on our Horizontal Main Drive with the help of two knobs.

TECHNICAL SPECIFICATIONS –

Dimension sizes : 210 x 155 x 310 mm [LxBxH]
Net-weight : 6 kg
Gross weight : 16 kg
Packing : 10" x 8" x 14" inch [LxBxH]

16. LABORATORY KNEADER:

Inside of the through two z- shaped stirrers rotate towards each other at different speed. The special shape of the stirrers and the speed differential at which they operate shorten substantially the required mixing time. Stirrers and trough are made of stainless steel. The unit had a capacity of 3 to 4 kg. The through can be delivered with a double jacket for cooling or heating with water. The trough is closed with cover made of acrylic so that the kneading operation can be watched. The trough can be tilted for emptying or cleaning.

Technical specifications-

Dimension Size : 21" x16" x 22" (L x b x H)
Net – weight : 28 kg
Gross- weight : 56 kg
Packing (L x B x H) : 25" x 20" x 25" inch



17. WET GRANULATOR:

This machine is equipped with an oscillating rotor suitable to manufacturer wet granulates of various granule sizes. Sieves are easily exchangeable. Rotor, sieve and all parts coming in to contact with the material are constructed of stainless steel. Each apparatus is supplied with one sieve each of 1.0 and 1.6 mm mesh size. The capacity of the machine depends of the material and the mesh sizes of the sieve and is maximum 25-30 kg per hour.

Technical specification:

Dimension sizes : 38 x 35 x 60 cm
Net – weight : 18 kg.
Gross- weight : 40 kg
Packing : 22" x 13" x 13" inch

18. POWDER MIXER [RIBBON MIXER]:

The power mixer having horizontal half round bowl open on upper side with acrylic cover and specially designed mixing blade having two stages both right and left hand ribbon type mixing blades. The left and right hand spiral with upper and lower blade is rotated to circulate the material to be mixed. The half round bowl and spiral mixing blade made out of stainless steel having bowl capacity of 5 kg. And operational capacity of 3.5 kg.[approx]. Within few minutes, it can be empty by tilting. The power mixer is suitable for our Horizontal Main Drive unit.

Technical specifications-

Dimension Size : 22.5" x 13" x 21" (L x B x H)
Net – weight : 20 Kgs.
Gross- weight : 28 Kgs.
Packing (LxBxH) : 25" x 16" x 23" Aprox

19. AGITATOR:

Agitator is used for stirring, agitating and beating. All kind of liquids, emulsions, suspension and similar mixtures. Tiring action duplicates manual stirring motions. The total capacity of the kettle is 5 Liters. The working capacity approx. 3-3.5 Kg. The kettles and stirring arm are made of stainless steel. The agitator is easily attachable for our HMD and VMD.

Technical Specifications:

Dimension : 200 x 150 x 250
Net Weight : 18 Kgs.
Gross Weight : 35 Kgs.
Packing : 10" x 8" x 8" inch



20. SEMI AUTOMETIC DOSING FILLING for liquids:

Silent features of this machine are accurate dosing, drip free filling, fast disassembly of the pump and valves for easy cleaning. The Dosing Filler fills and dispenses all liquids with two pumps and valves made from stainless steel. It can be adjustable by 25 to 150 ml. If filling quantities of 150-250 are required, both pumps work on one common filling needle. Filling Needles are made of stainless steel and can be supplied for any container to be filled. Different sizes of dozing pump can be supplied. The capacity of the Machine is between 1000 and 2000 fills per hour. Filling range of this attachment is 50ML to 200 ML. An exchangeable nozzle is supplied with the attachment in three different diameters with opening of 2mm, 4mm, and 8mm. The capacity of charging hopper is 18 Liters. And all material contact parts are made from stainless steel. This attachment can be attached to our HMD and VMD.

21 SEMI AUTOMETIC DOSING FILLING FOR OINTMENTS:

A silent feature of this attachment is easy adjustment, quick removal of the pump and Charging Hopper for cleaning. The Machine is suitable to fill drip free and accurately, ointments, creams, pharmaceuticals and cosmetic emulsion, toothpaste, oil paints, jam, ketchup, and similar products in to tubes, jars, bottles, plastic containers etc., the capacity of these attachments between 1000 and 1200 fills per hour. The hopper has capacity of 18 liters, and all parts in the connect with the material to be filled are made of stainless steel.

Technical Specification:

Dimension : 30" x 20" x 15" inch
Net weight : 20 kg s.Aprox.
Gross weight : 40 Kgs.
Packing : 35" x 25" x 20" inch



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