



# PHARMA MACHINERIES

## MASS -MIXER GMP MODEL



### RIDDHI PHARMA MACHINERY LTD.

CIN: U33112GJ1995PLC028504

**Manufacturer & Exporters of Pharmaceutical Machineries**

**MUMBAI OFFICE:** Om-shivam soc., Tarun Bharat Bldg. No.2, Opp. Cigarette Factory, Sahar Road, Andheri (East), Mumbai - 400 099. Maharashtra, India Tel.: +91-22-28321332 / 28382479

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**RIDDHI** Mixer has been well-designed to facilitate thorough mixing of dry or damp materials and is especially suitable for tablet granulation. The powerful geared drive and sturdy mixing paddle make RIDDHI Mixer ideal for dealing with difficult or sticky ingredients. This is one speed Mixer but two speed machine available on demand.

#### **CONSTRUCTION**

The Mixer consists of Mixing drum complete in itself. It contains mixing drum body, Mixing paddle and sealing arrangement. The drum rests on rigid M.S. fabricated body carrying Motor, Gear box, Starter and tilting arrangement. The drive of mixing paddle is through suitable oil filled worm gear unit which in turn get drive through V belts from a suitable T.E.F.C. motor. The blades of the paddle are so arranged that thorough mixing is obtained. All parts which are in direct contact with the material to be mixed are of S.S. or neutral material. The main paddle runs in journals and supported by thrust bearings of ample size to carry rigid and thrust load. The whole drum of mixer makes ease of cleaning.

#### **PLASTIC DUST COVER**

The material under mixing process can be apparently seen from the Plastic Dust Cover of the container at all times and it, being hinged and holding allows solution to be added through without difficulty while the mixer is in motion.

#### **SAFETY**

The plastic dust cover is so interlocked that on opening the cover the motor automatically stops. The interlocking system is given to avoid the accident as the machine will not start unless and until container is totally closed. This is of utmost importance in a machine like this which has revolving blades.

#### **TILTING DEVICE**

The Tilting Device is provided to ease the unloading of the material. Tilting is affected by means of a hand wheel on the body, the powder or granules being tipped into a container which can be placed at ease.

#### **SEALING ARRANGEMENT**

Specially designed self-adjusting sealing arrangement of unique design is provided to ensure that no black particle enters into the Mixing drum. However, little powder from inside may come out some time after a long use which suggests cleaning and readjusting of pressure springs.

#### **LUBRICATION**

Provision is made for lubricating all moving parts and specially designed to prevent oil coming in contact with the powder.



## TECHINICAL SPECIFICATIONS

CAPACITY	50 kgs	100 kgs	150 kgs	200 kgs
OVER-FLOW CAPACITY	110 Ltrs.	220 Ltrs.	330 Ltrs.	440 Ltrs.
WORKING CAPACITY	88 Ltrs	156 Ltrs	234 Ltrs	309 Ltrs.
SPEED OF STIRRER	35 RPM	35RPM	30 RPM	30 RPM
MOTOR, 440V, 3Ph, 50CS, AC	3 HP	5 HP	7.5HP	7.5 HP
<b>DIMENSIONS</b>				
Length in mm.	1700	2030	2135	2260
Height in mm.	940	1120	1300	1300
Width in mm.	740	635	790	790
Weight in kgs.	350	450	550	600



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