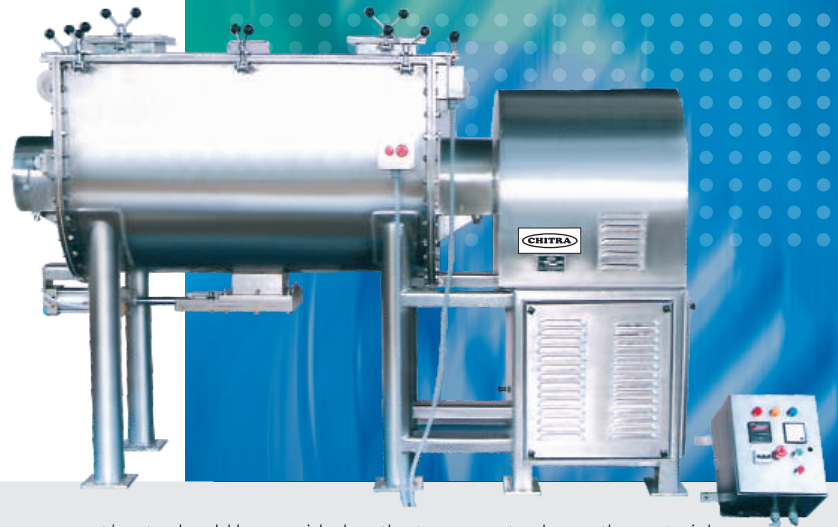


Ribbon Blender

Operation

The RIBBON BLENDER is an efficient and versatile blending machine for mixing of dry granules & powders homogeneously. Approximate two third of the volume of the container of Ribbon Blender is filled to ensure proper mixing. The Ribbon Blender gives best result for mixing of dry powder & granules due to the design and shape of the mixing ribbon and product container. It can be used for Pharmaceutical, Food, Chemical and Cosmetic products etc.



Material should be charge from the top side. There are port/ports should be provided on the top cover to charge the material as well as for air vent. One discharge valve provided at the bottom side at center of the container. The discharge height could be adjust as per the requirement, so that material gets discharge in the other container directly, so that material handling time for discharge is nil and the operation is dust free.

In Ribbon Blender the powder moves from center to the end of container and end of container to the center of container. Hence requirement of total mixing time is very less and the RPM required are also very less.

The dry material gets sufficient contineous movement due to the shape & movement of ribbon & shape of the container., which moves material for good quality of blending.

The unit is consist of one electrical motor, one worm reduction gear, belt drive between motor and gear, couple drive between gear to (ribbon) mixing stirrer. Container having four nos. of legs with discharge valve & top cover. Both end of mixing shaft is sealed with bush & PTFE gland housing & safety guards are provided on all moving parts.

Special Features

- The shape of container and mixing stirrer gives sufficient contineous movement to the powder / granules, result in good quality.
- All contact parts are made out of SS304/SS316 or SS316 L quality material.
- Maximum care has been taken to ensure safe operation of the unit.
- Inching facility for stirrer for discharge of material.
- Full cover on top side of the container.
- Discharge height must be adjusted, if confirm with order.
- Operating panel provided for safe operation of blender.
- Centrally located material Discharge valve. (Butter fly / Sliding Valve)
- Dust proof top cover with window provided.
- General structure completely made out of mild steel & painted in Standard Model & the same is claded with SS304 in GMP model.
- Safety Guards & Covers made out of SS304 in GMP Model & made out of mild steel in Standard Model.
- Legs made out of M.S & painted in Standard Model & same will be claded with SS304 in GMP Model.
- Panel provided with following facilities in 500 Liters & bigger model. In Small model only D.O.L. starter provided for On-Off operation of the motor.
- Three phase indication facility.
- D.O.L. starter for on-off operation of motor.
- Emergency stop provided in panel.
- Digital timer for batch time setting.
- Ampere meter to indicate load of motor in ampere.
- Limit switch provided at top cover for safety purpose.
- Inching push button with selector switch for inching operation during discharge of material.

