

Ribbon Blender



A Ribbon Blender consists of a horizontal trough with a central shaft and a helical ribbon or paddle agitator. Mixing results from the turbulence induced by counteracting Ribbons as intermingling of material takes place. There are two sets of Counter acting Ribbons - Outer Ribbon, Inner Ribbon. Both ribbons mounted on the same shaft. Ribbons has close trough clearance which provides a region of high shear force near the wall thereby achieving both bulk blending and dispersive mixing. Ribbon blender is basically manufactured for uniform, homogeneous, and quick mixing of powders and semi-wet materials of different densities. Mostly ribbon type agitator or paddle type agitator is used for efficient blending.

This machine works on dual combination of agitating (mixing) and conveying. The machine operates as a completely closed system caring a relatively high cross-sectional load of material at low speeds.

Outstanding Features of Ribbon Blender

- The Ribbon Blender is adaptable to batch or continuous mixing.
- Heating Or Cooling Jacket as per process requirements.
- Available in all grades of stainless steel, carbon steel and special alloy steels.
- Designed for atmospheric operation. , Jacket for heating, cooling
- Stuffing boxes with easily disassembled housings with asbestos gland packing
- Stainless steel surfaces are polished to desired standards. All exterior non-stainless.

Application of Ribbon Blender

- In Gaur gum powder plants, Tamarind Kernel powder plants. (T.K.P)
- Agriculture feed and cattle feed supplements, animal feed
- Chemical plants and dyestuff,
- Pesticides, fertilizer, pharmaceutical industries & organic industries
- Paints, dry color pigments, Cement mixes, coal industry
- Food industry, pet foods & spices, spices & sugar