

Powderics Ribbon Blender



Ribbon Blender OR Ribbon Mixer is convection blending based industrial mixer allowing low shear mixing to give homogeneous mixing from heterogeneous ingredients. Ribbon blender usually consists of trough shaped shell with semicircular bottom, fitted with horizontal longitudinal shaft on which are mounted arms supporting a combination of ribbon blades, paddles or helical screws set at a fairly close clearance to semicircular mixer body so that no layer of material remains on the bottom of the ribbon mixer. Powderics even offers double spiral arrangement in which outer ribbon moves the product in one direction and the inner ribbon moves it in opposite direction giving thorough blend in short cycle time. Ribbon agitators are used for blends that will be between 40 and 70% of the rated capacity of ribbon blender



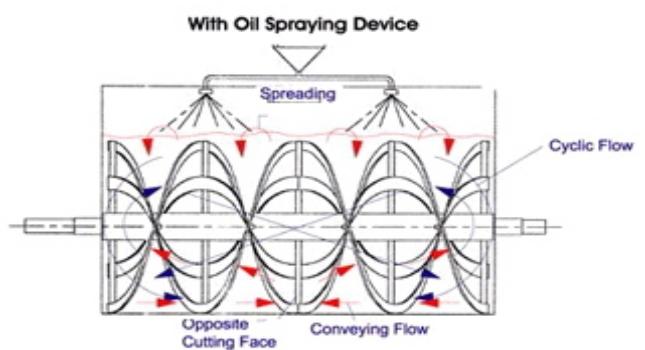
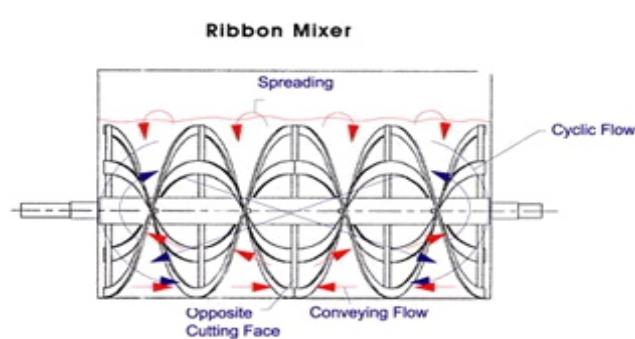
Specification:

- SS 316 L contact parts
- Normal temperature and Pressure inside ribbon
- Customized design for vacuum or pressure application inside ribbon blender.
- Sealing safety from gland packing seal and air purge seal
- Automated pneumatic operated outlet valve
- Dimple jacket ribbon blender
- Heating / Cooling jacket ribbon blender
- Optional provision for liquid spray system
- ATEX Design option Available for Electrical Safety
- Teflon Coating & Halar Coating for Material contact part



Advantage

- Twin Screw mixing rotor possible
- WIP Nozzle Integration for Easy Cleaning
- Liquid Spraying System
- Rigged and low maintenance construction for long life
- Designed as per global safety standards



Typical Applications:

The ribbon blender's versatility for blending solids combined with its ability to perform heating, cooling, coating, and other processes make it a very popular mixer.

Baby food

Milk powder

Bakery premixes

Salt

Dried food products

Animal feed

Plastic resins

Plastic powders

Carbon black

Polyethylene

Polymer additives

Chemicals

PVC compounding

Cleaning compounds

Talcum powders

Laundry detergents



Model	Nominal Volume	Mixing Volume	Speed (RPM)	Motor Power
PPT-RB-100	100L	40L-70L	76	3 HP
PPT-RB-300	300L	120L-210L	66	5 HP
PPT-RB-500	500L	200L-350L	66	7.5 HP
PPT-RB-1000	1000L	400L-700L	41	10 HP
PPT-RB-2000	2000L	800L-1400L	41	15 HP
PPT-RB-3000	3000L	1200L-2100L	33	20 HP
PPT-RB-4000	4000L	1600L-2800L	33	25 HP
PPT-RB-5000	5000L	2000L-3500L	26	30 HP
PPT-RB-6000	6000L	2400L-4200L	26	40 HP
PPT-RB-8000	8000L	3200L-5600L	26	50 HP
PPT-RB-10000	10000L	4000L-7000L	20	60 HP