

# RIBBON MIXER

## 【PRINCIPLES】

Both inside and outside ribbon shaped screws around the shaft in the fixed vessel rotate slowly. The inside ribbon screw carries the powder from center to the outside, while the outside ribbon screw carries the powder from outside to the inside. Such movement facilitates effectively the repeated and convective shearing and diffusive mixing.

Ribbon mixer는 고정Drum 내부에 이중의 Ribbon type의 교반날개가 있고 외측의 Ribbon은 분립체를 중앙으로 내측의 Ribbon은 외측 방향으로 이송하는 것에 의해 대류·확산 및 전단작용을 반복하여 혼합이 이루어진다.



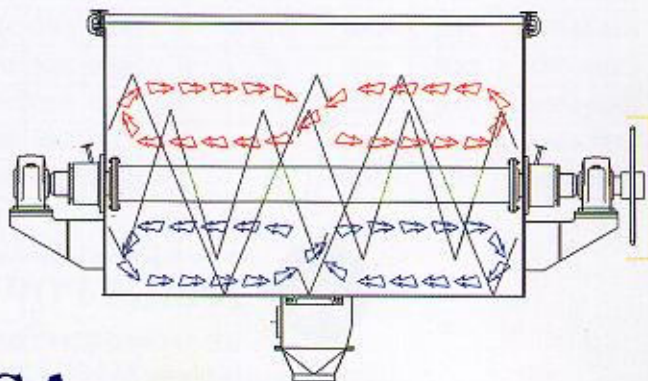
## 【TECHNICAL DATA & FEATURES】

1. MODEL - DGRM-70 ~ 10,000
2. MATERIAL (재질) - Stainless Steel, Carbon Steel, etc.
3. DRIVE SYSTEM (구동방법) - CHAIN or GEAR DRIVE
4. MOTOR (구동전동기) - GEARED MOTOR
5. Large treatment quantity per installation area.  
(설치면적당 처리량이 크다.)
6. Because of exact clearance between drum and ribbon, there is a few residual quantity in time of discharge.  
(Drum과 Ribbon의 간격이 좁은 구조로 되어 있어서, 배출 시 잔류량이 적다.)
7. Easy Discharge & Cleaning. (분립체의 잔류가 적고 청소가 용이하다.)
8. Packing
  - The adjustable grand type seals, air packing are easily accessible and maintained. There are many other types of special seals which can also be adapted.
  - (Air Packing Air, N2사용), Gland Packing을 채용했기 때문에 Sealing이 우수하고 보수가 용이하다.)
9. It can be used to cool or heat the jacket which is attached to the vessel.  
(Jacket를 부착하면 Mixing과 동시에 Heating or Cooling 작업이 이루어진다.)
10. Spray nozzles add liquids in controlled amounts for uniformity mixing liquid and solids.  
Mixing the materials, not only liquids and water can be injected through spray nozzles, but also the coloring of materials is available.  
(원료를 혼합하면서, 스프레이 노즐을 통해 리퀴드와 물이 주입될 수 있고, 착색도 가능하다.)
11. Trouble free simple design, easy and simple maintenance check.  
(가동부가 적으므로 고장이 적고 보수점검이 간단하다.)
12. It can be used to rotate the drum. (Drum 회전식도 제작 가능하다.)



## 【APPLICATIONS】

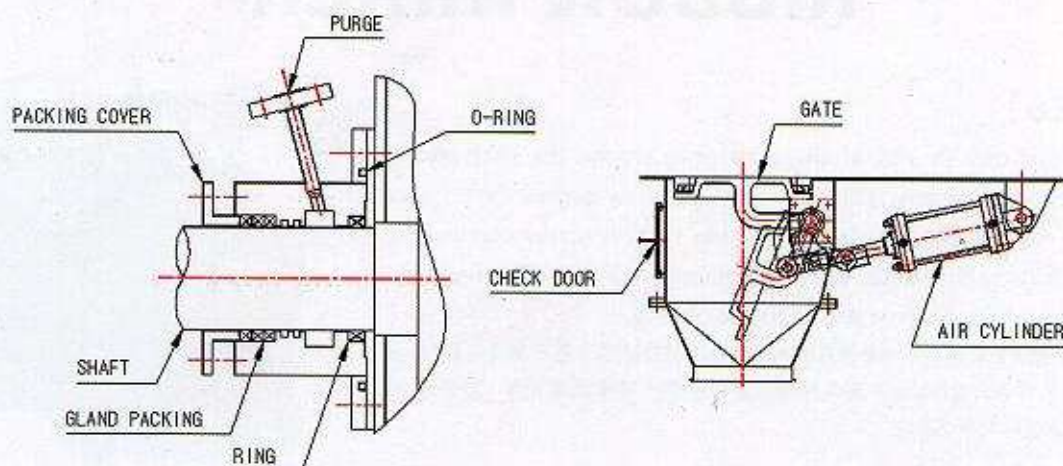
1. Chemicals
  - Plastic resin powder and pellets, Dyes, Coating materials
2. Food and Pharmaceuticals
  - Flour, Sugar, Powdered Milk, Granulated Drugs, Seasonings
3. Metals - Metal powders
4. Electric
  - Electronic parts materials, Ferrite
5. Ceramics
  - Fine ceramics, Refractory materials



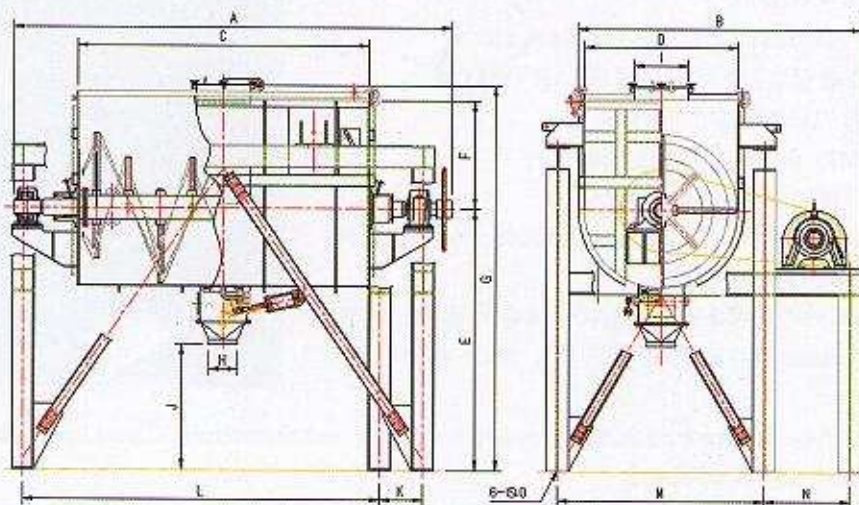
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## [DETAIL OF PART]



## [SPECIFICATION OF RIBBON MIXER]



Model	Working Cap' (ℓ)	Vessel Cap' (ℓ)	Motor (Hp)	Speed (rpm)	Dimensions														
					A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
DGRM-70	70	100	1	70	1500	850	895	325	1000	217	1217	φ100	250	700	350	700	400	350	13
DGRM-140	140	200	2	52	1600	1000	1000	436	1100	290	1390	φ100	250	700	400	700	530	400	13
DGRM-200	200	300	3	45	1800	1150	1100	500	1200	350	1550	φ150	300	850	400	900	600	450	13
DGRM-350	350	500	5	38	1900	1300	1310	600	1300	400	1700	φ150	350	900	450	900	720	450	17
DGRM-500	500	700	5	32	2300	1320	1400	700	1300	430	1735	φ150	500	900	500	1550	800	500	17
DGRM-700	700	1000	7.5	28	2450	1650	1600	800	1500	535	2035	φ200	500	1000	600	1600	930	650	17
DGRM-1000	1000	1500	10	25	2750	1850	1750	900	2000	600	2600	φ200	500	1450	650	1800	1050	700	17
DGRM-1300	1300	2000	10	22	3100	1950	1885	1000	2050	670	2720	φ200	600	1450	700	2100	1200	700	22
DGRM-2000	2000	3000	15	20	3500	2200	2140	1150	2100	770	2870	φ250	600	1450	800	2500	1350	800	22
DGRM-2800	2800	4000	20	18	3700	2450	2415	1250	2200	835	3035	φ250	800	1500	850	2600	1500	900	27
DGRM-3400	3400	5000	20	17	4200	2500	2790	1300	2300	870	3170	φ250	800	1500	900	3000	1550	900	27
DGRM-6000	6000	9000	40	14	4850	3000	3125	1650	2500	1100	3600	φ300	900	1550	1000	3400	1900	1000	27
DGRM-8000	8000	12000	50	13	5200	3200	3695	1750	2600	1170	3770	φ300	900	1600	1100	3750	2000	1100	27
DGRM-10000	10000	15000	75	12	5600	3450	3850	1900	2800	1300	4200	φ350	900	1600	1200	4000	2150	1200	27



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