


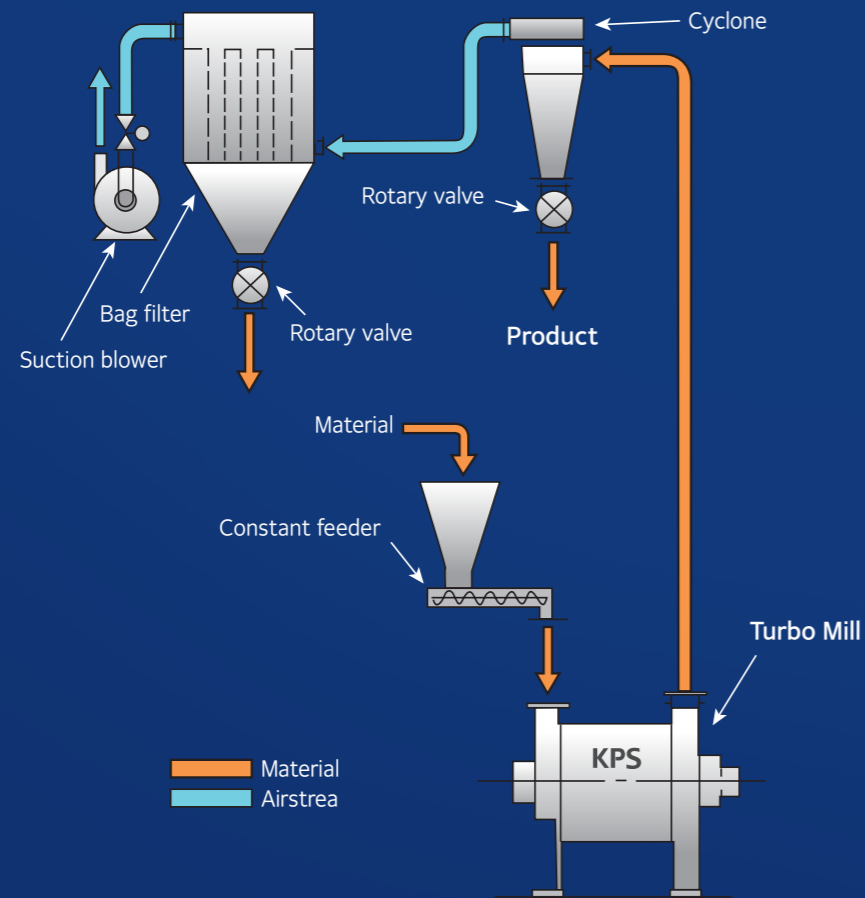
KPS TURBO MILL

터보밀

INNOBIZ | MAINBIZ | ISO9001 | ISO14001 | CE | 
벤처인증기업 | 부품소재전문기업 | 인천시비전기업 | 인천시유망중소기업



Standard Turbo Mill system flow



Turbo Mill (Vertical Lab Type) System



KPS

SIZE REDUCTION TECHNOLOGY

한국분체기계 (주)

본사 · 공장 22829 인천광역시 서구 가재울로 32 번길 31

Tel. 032-505-5580 Fax. 032-876-8454

E-mail. hkc@hankookmc.co.kr www. hankookmc.co.kr

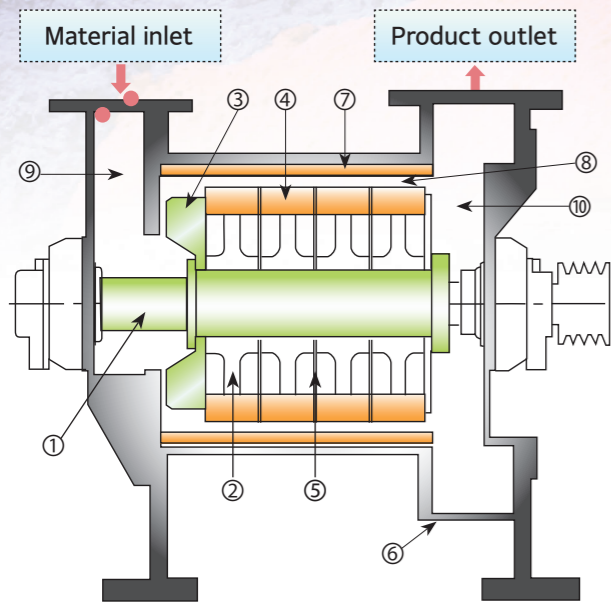
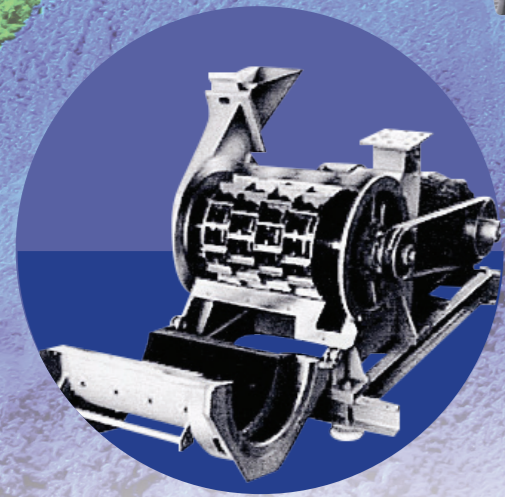
KPS

ADVANCED TECHNOLOGY TOWARD THE FUTURE

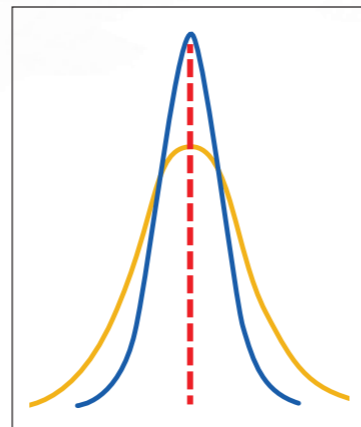
한국분체기계 (주)

TURBO MILL

UNSURPASSED QUALITY AND PRODUCTIVITY
(0.5~45 MICRON) IN ULTRA-FINE GRINDING OF FINE POWDER



- ① Rotor shaft
- ② Rotor
- ③ Distributor
(Only for the standard type)
- ④ Blade
- ⑤ Partition disc
- ⑥ Casing
- ⑦ Liner
- ⑧ Grinding chamber
- ⑨ Inlet spiral chamber
- ⑩ Outlet spiral chamber



원리

회전부는 Distributor③와 원주에 다수의 Wings④가 달린 복수의 Rotor② 및 이것과 접촉되는 Partition discs⑤로 구성되어 있고 Casing⑥은 내면에 다수의 홈이 새겨진 Liner⑦가 장착되어 있으며 수평과 45도면으로 개폐된다.

Rotor②가 고속 회전함으로써 기어안에 강한 와류와 압력진동이 발생한다.

원료는 공기와 함께 원료공급구에서 흡입되어 Inlet spiral chamber⑨에서 Shaft①의 주위에서 선회전동을 받아 Distributor에 의해 가속되어 Chamber⑧에 균등하게 분배된다. 연이어 강력한 공기의 와류에 의해 순간적으로 분쇄되어 Outlet spiral chamber⑩에서 공기와 함께 외부로 배출된다.

Principle

The Rotating unit consists of Distributor ③, several rotors ② holding many wings ④ and partition discs ⑤.

The casing ⑥ with grooved liners ⑦ can be opened at its flange inclined by 45 degrees to the water level.

The high speed revolution of rotors causes so violent vortices and high frequency vibrating air, that material is sucked into the inlet spiral chamber ⑨ from the feed-opening, and is accelerated and distributed by centrifugal force equally around the shaft ① into the pulverizing chamber ⑧. After being pulverized in a moment by the pulverizing mechanism stated above, the product is discharged with air through the outlet spiral chamber ⑩.



Specifications

Spec	Model	HKT-250	HKT-400	HKT-600	HKT-800	HKT-1000
Chamber inner diameter	mm	250	400	600	800	1000
Rotor Speed	RPM	4000~8000	2500~5000	1750~3500	1500~3000	1200~2400
Drive Motor	kw	7.5~11	15~30	22~45	55~75	75~110
Throughput ratio		0.4~0.5	1	2	3~4	4~5
Nuber of Rotors		1~4	1~4(2~8)	1~4(2~8)	1~4(2~8)	1~4(2~8)
Capacity	h/kg	50~200	200~300	400~500	600~800	1000~2000
Dimension (mm)	A	450	0720	0960	1200	1410
	B	790	1300	1650	2100	2440
	C	630	1000	1080	1380	1630
	D	610	0950	1270	1400	1610

적용

