

# 平板式上部卸料离心机

Vertical Top Discharge Centrifuges



PSD/PQFD平板式吊袋卸料离心机



PSD常规型



PSD在线清洗型



PQFD洁净型吊袋卸料离心机

PSB/PQFB平板式上部卸料离心机



PSB型



PSB衬PE型



PQFB洁净型上卸料离心机



低温浸泡型



低温浸泡型（直联式）



PBZ型平板上卸料离心机

## PSD平板吊袋卸料离心机 PSD VERTICAL BAG LIFTING TOP DISCHARGE CENTRIFUGE

### 产品概述 PRODUCT OVERVIEW

PSD型离心机采用机械辅助卸料，既拥有全自动刮刀离心机工效高的特点，还具有上卸料离心机适用性广的优点，产品结构先进、占地小、故障率低，具有较高的性价比。

Aided mechanical discharge is adopted for the PSD centrifuge. Combining high efficiency of the automatic peeler centrifuge and wide application scope of the top discharge centrifuge, this product is advanced in structural design, small in floor covering area, low in failure rate and high in cost performance.



### 工作原理 WORKING PRINCIPLE

物料在离心力作用下，趋向转鼓壁，液相经覆盖于鼓壁的过滤介质穿过鼓壁滤孔，趋向外壳内壁而落入底盘，经出液口排出。而固相物料存留在转鼓内并可充分洗涤，从而完成固液分离，停机后打开外壳翻盖，利用专用的起吊装置，取出滤袋至下料处卸料，卸料完毕后，将拦液板和滤袋再次装到转鼓内并锁住拦液板，关闭上翻盖，锁紧后即可开始下一个工作循环。

Under the action of centrifugal force, the materials reach the basket wall, where the liquid phase passes through the filtering medium covered on the basket wall and then flows through the pores on the wall to the inner wall of the enclosure, then drops off to the bottom tray and is discharged out via the liquid discharge port. While the solid matters are retained inside the basket and fully washed to complete the solid-liquid separation. After the equipment is shutdown, open the flippable cover, remove the filter bag with special lifting appliances, transfer it to the unloading area for discharging. After that, install the basket lip and filter bag back, lock the basket lip, close the flippable cover and lock it, and at this time, the next circulation can be started.

### 适用范围 SCOPE OF APPLICATION

用于固相为颗粒状的悬浮液物料的固液相分离，也可用于纤维状物料的固液相分离。如：石膏、硫酸铜、氯化钾、硼砂、染料、农药药剂，食盐、味精、食品添加剂、淀粉、制糖、化学调味料，抗生素、维生素，铜、锌、铝等矿产物、金属精制，污泥处理、污水处理等。已广泛应用于医药、化工、食品、环保、能源等行业。

This product can be used for the solid-liquid separation of suspensions containing solid particles, as well as for the solid-liquid separation of fibrous materials, such as gypsum, copper sulfate, potassium chloride, borax, dyes, pesticides, salt, monosodium glutamate, food additives, starch, sugar, chemical seasoners, antibiotics, vitamins, copper, zinc, aluminum and other minerals, metal refining, sludge treatment, and sewage treatment has been widely applied in the pharmaceutical, chemical, food, environmental protection, energy and other industries.



### 产品特点 PRODUCT FEATURES



- 劳动强度低、效率高：配置液压悬臂吊，可进行机械卸料。
- 晶粒不易破碎：采用专用吊具整体吊装卸料。
- 运行平稳：机器重心低，采用液态阻尼减振装置，振动小。

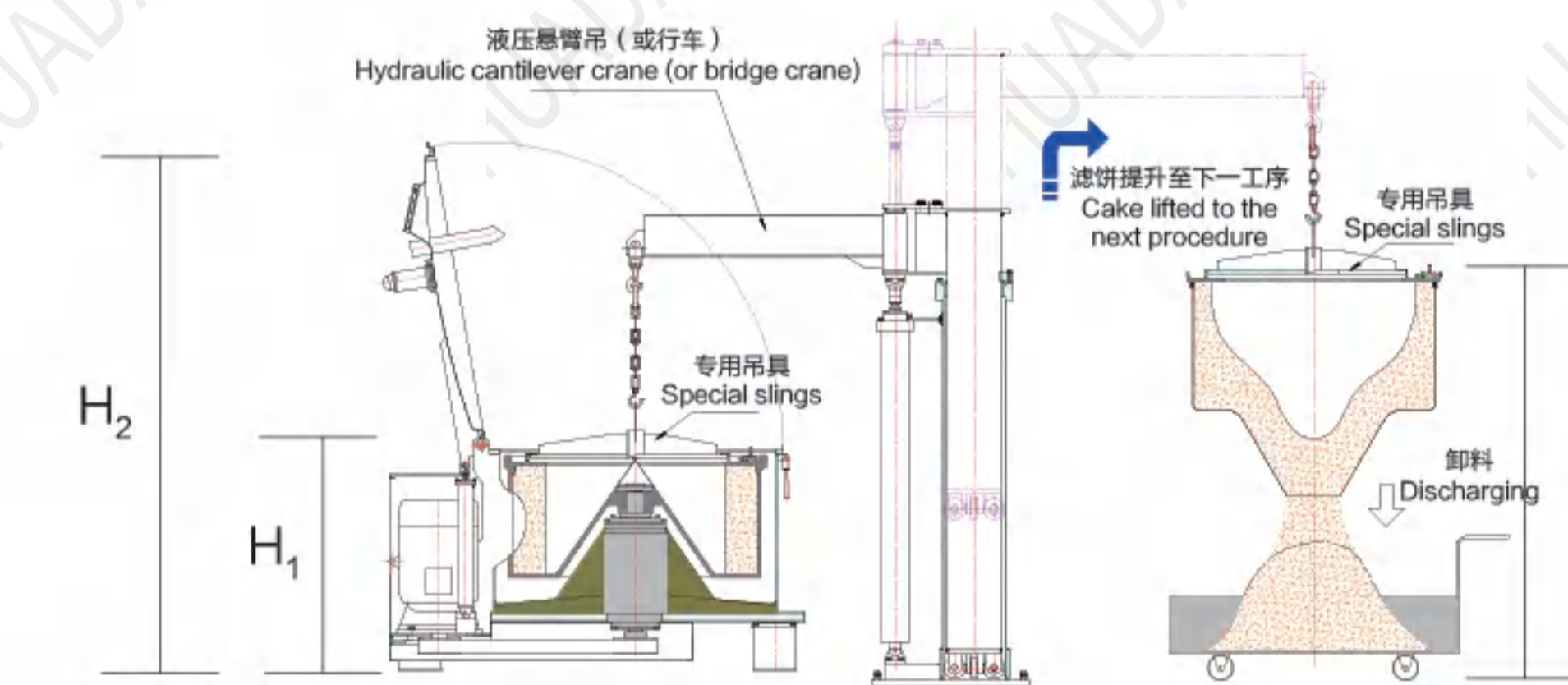
- Low labor intensity and high efficiency: configured with a hydraulic cantilever crane for mechanical discharge.
- Grains less prone to breakage: special-purpose slings used to lift and discharge the materials as a whole.
- Stable operation: low gravity center of the equipment designed and liquid damping device adopted to attenuate vibration.

- 可进行料层控制装置、雾化洗涤管、CIP在线清洗系统、防爆视镜灯等多种配置。

- 具有多重安全保护：氮气保护系统、振动保护、开盖保护、过载保护、机电联锁等。

- 开盖方式：液压开盖、机械助力开盖。

- Optional configurations for the installation of cake layer control device, atomizing & washing pipe, CIP online cleaning system, explosion-proof sight glass with lamp, etc.
- Multiple safety protections: nitrogen protection system, overvibration protection, cover opening protection, overload protection, electromagnetic interlocking, etc.
- Cover opening mode: hydraulic drive and mechanical drive.



### 技术参数 WORK FLOW CHART

项目 Items	型号 Models						
	PSD800	PSD1000	PSD1200	PSD1250	PSD1500	PSD1600	PSD1800
转鼓直径 Basket Diameter (mm)	800	1000	1200	1250	1500	1600	1800
转鼓有效高度 Effective Basket Height (mm)	450	520	550	630	680	800	750
转鼓容积 Basket Volume (L)	120	200	270	400	555	800	910
最大装量 Max loading Capacity (kg)	150	250	340	500	7000	1000	1100
最高转速 Max. Speed (r/min)	1500	1200/1400	1100	1000/1200	850	850	780
最大分离因素 Max. Separation Factor	1007	805/1096	812	700/1007	606	647	612
电机功率 Motor Power (kw)	7.5	11/15	15	18.5/22	30	37	37
外形尺寸 Dimension(L*W*H)(mm)	1730x1200x1320	1970x1400x1500	2300x1550x1500	2550x1800x1780	2750x2200x1750	3200x2400x2150	3300x2500x2150
机器重量 Weight (kg)	1500	2500/2700	3200	4000/5000	6500	8500	10000



- 变频控制：启动平稳，分离因数可调。
- 滤布更换方便：独特快拆式结构拦液板。
- Variable frequency control: stable startup and adjustable separation factor.
- Easy replacement of filter cloth: basket lip designed with special structure that can be disassembled fast.



代号 Code	型号 Models						
	PSD800	PSD1000	PSD1200	PSD1250	PSD1500	PSD1600	PSD1800
H	1950	2180	2350	2650	2850	3600	3350
H <sub>2</sub>	990	1110	1110	1370	1310	1750	1650
H <sub>3</sub>	2080	2430	2650	2950	3210	3720	3930