

ZBG系列真空耙式干燥机

ZBG Series Vacuum Rake Dryer

► 用途 (Application)

ZBG真空耙式干燥机广泛应用于以下领域：

食品加工：如调味料、香料及其他对温度敏感的食品成分的干燥。

化工行业：用于处理易氧化、爆炸或有毒的化学物质。

制药工业：适合于对热敏感的药物成分的干燥。

其他涉及热敏性、氧化敏感或有毒材料的工业应用。

The ZBG Vacuum Rake Dryer is widely used in the following areas:

Food Processing: Such as drying spices, flavors, and other temperature-sensitive food ingredients.

Chemical Industry: For handling chemicals that are prone to oxidation, explosion, or toxicity.

Pharmaceutical Industry: Suitable for drying thermally sensitive pharmaceutical components.

Other Industrial Applications: Involving thermal-sensitive, oxidation-prone, or toxic materials.



► 特点 (Features)

卧式批量系统：专为批次处理设计，提供灵活且可控的干燥环境。

刮板搅拌机制：独特的带刮板搅拌器确保从热表面有效刮除物料，保持容器内的连续循环，提高干燥效率。

大传热面积：拥有广阔的加热面，最大化与原材料的热接触，实现高热效率和快速去湿。

均匀加热：搅拌机制保证材料的持续循环，确保干燥筒内均匀加热，保证产品质量一致性。

真空抽取：通过真空泵有效去除蒸发水分，创造最佳干燥氛围并加速干燥过程。

多功能应用范围：适用于包括浆状、膏状混合物及粉末在内的多种材料，非常适合食品加工、化工等多样行业。

热敏性兼容性：适合低温干燥，特别适合对热敏感、易氧化或爆炸性的物质以及具有刺激性或有毒特性的材料。

溶剂回收能力：有效地处理需要溶剂回收的原材料，增加了干燥过程的价值。

Horizontal Batch-Type System: Designed for batch processing, offering a flexible and controlled drying environment.

Squeegee Stirrer Mechanism: A unique stirrer equipped with a squeegee ensures effective scraping of material from hot surfaces, maintaining continuous circulation within the container for enhanced drying efficiency.

Large Heat Transfer Area: Boasts an extensive heating surface to maximize heat contact with raw materials, resulting in high thermal efficiency and rapid moisture removal.

Uniform Heating: The stirring mechanism guarantees consistent material circulation, ensuring uniform heating throughout the drying cylinder for consistent product quality.

Vacuum Extraction: A vacuum pump efficiently removes evaporated moisture, creating an optimal drying atmosphere and accelerating the drying process.

Versatile Application Scope: Suitable for a wide array of materials, including pulpiness, paste-like mixtures, and powders, making it ideal for diverse industries such as food processing and chemicals.

Thermal Sensitivity Compatibility: Designed for low-temperature drying, perfect for heat-sensitive substances, materials prone to oxidation or explosion, and those with irritative or toxic properties.

Solvent Recovery Capability: Efficiently accommodates raw materials requiring solvent recovery, adding value to the drying process.



► 技术参数 (Technical Parameters)

参数ITEM	型号TYPE	ZBG-500	ZBG-750	ZBG-1000	ZBG-1500	ZBG-2000	ZBG-3000	ZBG-5000
工作容积 Working Volume	L	300	450	600	900	1200	1800	3000
内筒尺寸 Inner Cylinder Size	m²	φ600*1500	φ800*1500	φ800*2000	φ1000*2000	φ1000*2600	φ1200*2600	φ1400*3400
搅拌转速 Stirring Speed	rpm	5-25		5-12		5		
功率 Power	kw	4	5.5	5.5	7.5	11	15	22
夹层设计压力 Designed Pressure in Interlayer	mpa	≤0.3						
筒内压力 Pressure In Cylinder	mpa	-0.09~-0.096						