

PFJ系列扁平式气流粉碎机

PFJ Series Flat Jet Mill

► 介绍 (Introduction)

PFJ专为高效精细粉碎设计，适用于需要避免金属杂质污染的高新材料。它通过高压工作介质产生的高速气流使原料在粉碎腔内加速、碰撞和摩擦剪切，实现物料的连续细化。细碎物料随后脱离离心力并通过管道送至收尘设备。关键部件可选耐磨陶瓷防护，尤其是全陶瓷高速分级轮确保高精度分级和防污染。PFJ系列凭借其高效的粉碎能力、灵活的防污染配置及精准分级效果，在新材料、化工、医药等领域表现出色。

PFJ is designed for efficient fine crushing and is suitable for high-tech materials that need to avoid contamination of metal impurities. It accelerates, collides and frictionally cuts the raw materials in the crushing chamber through the high-speed air flow generated by the high-pressure working medium, achieving continuous refinement of the materials. The finely crushed material is then removed from centrifugal force and sent to the dust collection equipment through the pipe. Key components can be worn-resistant ceramic protection, especially the full ceramic high-speed grading wheel to ensure high-precision grading and pollution protection. With its efficient crushing ability, flexible anti-pollution configuration and precise grading effect, the PFJ series has performed outstandingly in new materials, chemicals, medicine and other fields.



► 特点 (Features)

预处理后的高压工作介质（空气、氮气等）通过沿切向布置的粉碎喷嘴特定结构后产生高速气流，原料通过气送进入粉碎腔，物料受到气流加速互相碰撞并且与中圈摩擦剪切，不断粉碎细化的物料逐渐脱离离心力，最终从机腔上盖出料口内被送出粉碎腔，通过管道进入后道收尘设备（旋风分离器、布袋除尘器等）。

The pre-processed high-pressure working medium (air, nitrogen, etc.) generates a high-speed airflow after passing through the specific structure of the crushing nozzles arranged tangentially. The raw materials are sent into the crushing chamber through the air. The materials are accelerated by the airflow and collide with each other and friction and shear with the middle ring , The materials that are continuously crushed and refined gradually disengage from the centrifugal force, and finally are sent out of the crushing cavity from the discharge port of the upper cover of the machine cavity, and enter the downstream dust collection equipment (cyclone separator, bag dust collector, etc.) through the pipeline.



► 技术参数 (Technical Parameters)

参数ITEM	型号TYPE	PFJ-50	PFJ-100	PFJ-200	PFJ-320	PFJ-400	PFJ-600	PFJ-700	PFJ-800
气体耗量Gas Consumption	m³/min	0.6	1.5	3	6	10	20	30	40
粉碎压力 Crushing Pressure	mpa	0.4-1.2							
进料粒度 Feeding Size	mesh	60-325							
出料细度 Output Size	μm	0.5-30							
生产能力 Production Capacity	kg/h	0.05-1	1-15	3-40	10-100	20-200	50-500	80-800	150-1500
空压机功率 Air compressor power	kw	5.5-7.5	11-15	22-30	45-55	75-90	132-160	200-250	250-300