QFJ系列流化床气流粉碎机
QFJ Series Fluid-bed Jet Mill

▶ 介绍（Introduction）

QFJ系列流化床气流粉碎机专为高效精细粉碎及避免金属杂质污染设计，适用于高新材料加工。它通过高压工作介质产生的高速气流使物料在机腔内强烈碰撞粉碎，细碎颗粒经分级轮筛选后，合格细粉被收集，不合格颗粒循环再破碎。关键部件可选用耐磨陶瓷防护，特别是全陶瓷高速分级轮确保高精度分级和防污染。QFJ系列在新材料、化工、医药等领域表现出色。

QFJ series fluidized bed airflow crusher is designed for efficient fine crushing and avoiding metal impurities pollution, and is suitable for high-tech material processing. It uses the high-speed air flow generated by the high-pressure working medium to cause the material to collide and crush in the machine cavity. After the fine particles are screened by the graded wheel, the qualified fine powder is collected, and the unqualified particles are circulated and then broken again. Wear-resistant ceramic protection can be used for key components, especially the full ceramic high-speed grading wheel to ensure high-precision grading and pollution protection. The QFJ 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）通过沿周向均布的粉碎喷嘴的特定结构后产生高速气流，原料被定量投入机腔后会被高速气流加速，物料最后在中心互相碰撞和粉碎，细化后的颗粒在负压作用下进入主机上方的分级腔内，接受高速分级轮的筛选，合格细粉会通过分级轮继而通过管道进入后道收尘设备（旋风分离器、布袋除尘器等），粒度仍然不达标者下落被重新冲击破碎。

The pre-treated high-pressure working medium (air, nitrogen, etc.) passes through the specific structure of the pulverizing nozzles uniformly distributed in the circumferential direction to generate high-speed airflow. After the raw materials are quantitatively poured into the machine cavity, the high-speed airflow will accelerate. The refined particles enter the classification chamber above the main unit under negative pressure and are screened by a high-speed classifying rotor. Qualified fine powder will pass through the classifying rotor and then enter the downstream dust collection equipment (cyclone separator, bag filter, etc.) through the pipeline, The particle size which still falls short of the standard will be re-shocked and broken.

▶ 技术参数（Technical Parameters）

参数ITEM / 型号TYPE		QFJ 100	QFJ 200	QFJ 250	QFJ 350	QFJ 500	QFJ 630	QFJ 800-2	QFJ 800-3	QFJ 1200-3
气体耗量Gas Consumption	m^3/min	1.5	3.0	6.0	10.0	20.0	30.0	40.0	60.0	120.0
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	0.3-10	1-30	3-80	5-200	10-400	20-600	30-1000	80-3000	200-8000
空压机功率 Air compressor power	kw	11-15	22-30	45-55	75-90	132-160	200-250	250-300	400-450	650-700
主机功率 Main power	kw	1.1	2.2	3	4	5.5	11	11	16.5	45