

YFG系列卧式圆盘干燥机

YFG Series Horizontal Disc Dryer

► 用途 (Application)

YFG圆盘式干燥机广泛应用于以下领域：

化工行业：如染料、颜料、化工产品等粉体产品的干燥。

农业与饲料工业：用于鱼粉、骨粉等生物饲料的干燥处理，提升产品质量。

环保工程：用于污泥等废弃物的干燥，减少体积并回收有用物质。

农药与医药行业：适用于各类粉体产品的干燥作业，保证生产安全与产品质量。

YFG Disc Dryer is widely used in the following areas:

Chemical Industry: For drying powders such as dyes, pigments, and other chemical products.

Agriculture and Feed Industry: Utilized for drying bio-feed materials like fishmeal and bone meal, enhancing product quality.

Environmental Engineering: Used for drying sludge and other waste materials, reducing volume and recovering valuable substances.

Pesticide and Pharmaceutical Industries: Suitable for drying various powder products, ensuring production safety and product quality.



► 特点 (Features)

高效加热：不仅外壳可以加热，内部盘片也进行加热，大大增加了干燥面积，提高了热效率，确保物料充分烘干。

灵活调控：通过调整料层厚度、主轴转速、耙臂数量和尺寸等参数，使干燥过程达到理想状态。每层干燥盘都可以单独通过热介质或冷介质对物料进行加热或冷却，物料温度控制准确且容易。

低能耗：由于料层很薄，主轴转速低，所需功率小，电耗少。以传导热进行干燥，具有高热效率和低能量消耗的特点。

操作简便：设备的开车、停车操作非常简单，停止进料后，传送物料的耙叶能迅速排空干燥器内的物料。

环保与溶剂回收：常压型设备内气的流速度低，粉尘很难浮到顶部，尾气中几乎不含粉尘。密闭型设备配备溶剂回收装置，回收率高，适用于易燃、易爆、有毒物料的安全操作。真空型特别适合热敏性物料的干燥。

Efficient Heating: Not only is the exterior shell heated, but internal discs are also heated, significantly increasing the drying area and improving thermal efficiency to ensure thorough drying of materials.

Flexible Control: By adjusting parameters such as layer thickness, spindle speed, number of rakes, and size, the drying process can be optimized. Each layer of the dryer can be individually heated or cooled using hot or cold media, providing accurate and easy temperature control for materials.

Low Energy Consumption: With thin material layers and low spindle speeds requiring minimal power, energy consumption is reduced. The drying process uses conductive heat, achieving high thermal efficiency with low energy use.

Ease of Operation: Simple start-up and shutdown procedures; after stopping feed, the rake arms quickly empty the dryer of materials.

Environmental Friendliness and Solvent Recovery: In atmospheric models, low airspeeds within the unit minimize dust rising to the top, resulting in nearly dust-free exhaust gases. Sealed models include solvent recovery systems with high recovery rates, suitable for safe handling of flammable, explosive, and toxic materials. Vacuum models are particularly suited for drying heat-sensitive materials.



► 技术参数 (Technical Parameters)

型号TYPE	功率 Power (kw)	传热面积 Heat Transfer Area (m ²)	全容量 Full Capacity (m ³)	外形尺寸 Overall Dimensions (mm)
YFG-60D	15	78	4.5	5200*1900*2700
YFG-85D	22	107	6	6400*1900*2700
YFG-130D	45	150	9	6200*2500*3000
YFG-170D	45	190	11.5	7500*2500*3000
YFG-210D	55	240	15	9000*2500*3000
YFG-240D	75	270	17.5	8600*2800*3300
YFG-280D	75	329	20	10100*2800*3300
YFG-370D	90	411	26	10100*3000*3550