

Automatic Powder Grinder Machine YF3-1



The YF3-1 airflow superfine pulverizer is a compact and powerful machine. It is designed for the precision grinding of dry materials of different types. It is widely used in the pharmaceutical, food, chemical industries, and research labs.

The machine uses high-speed mechanical forces to break down materials like herbs, grains, and fibrous substances into fine powder.

YF3-1 excels in producing consistent grinding quality. The side-discharge design and special twill grooved plate help deliver even particle sizes. Its built-in airflow system not only cools the chamber but also removes dust, so no extra dust-removal equipment is needed. The motor runs at 2800 rpm and provides stable power for various batches. Operators can choose from filter screens with different mesh sizes to meet desired fineness. This makes the YF3-1 both flexible and efficient.



Features

- ✓ **Safe and sanitary design.** The pulverizing chamber is made entirely of stainless steel, and the outer shell uses aluminum alloy to improve heat dissipation and hygiene. A safety switch ensures secure operation.
- ✓ **Low noise performance.** The vertical motor keeps noise levels low, around 45 decibels, making it suitable for quieter working environments.
- ✓ **Efficient dust and heat removal.** An adjustable air inlet damper helps remove dust and heat, reducing the need for extra dust-removal equipment.
- ✓ **Durable blade and crushing system.** The alloy steel blade supports hammer-style crushing and handles both fine powders and special materials efficiently.
- ✓ **Easy maintenance and blade replacement.** The blade set and grinding plate are easy to remove and replace. It simplifies cleaning and maintenance.
- ✓ **Customizable filter mesh.** Filter screens can be customized from 10 to 150 mesh to suit different fineness requirements.

Technical Parameters

Model	YF3-1
Capacity	Continuous operation
Output	2-20kg/h
Fineness	0.5-1.0mm
Voltage	220V 50Hz / 110V 60Hz
Power	2200W
Rotational Speed	2800r/min
Machine Weight	25kg
Dimensions	550x170x530mm