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# TENCAN

## Product Brochure



**MIXED SERIES**

## High-speed simple disperser

**FS**

High-speed simple disperser provides rapid emulsification, mixing, and particle size reduction for various viscous liquids. Ideal for coatings, pigments, and chemical processing.

<https://www.planetaryballmills.com/products/mixed-series/high-speed-simple-disperser.html>



## Product Overview

High-speed simple disperser provides rapid emulsification, mixing, and particle size reduction for various viscous liquids. Ideal for coatings, pigments, and chemical processing.



## Product Introduction

The dispersing machine is mainly used to crush, disperse, emulsify and homogenize slurry liquid raw materials of different viscosities. Through the high-speed operation of the dispersing disc, strong shear impact and friction occur between the material and the dispersing disc, achieving the functions of rapid emulsification, dissolution, uniform mixing and dispersion.

The disperser absorbs very little air when stirring and dispersing, and has excellent mixing and smoothing effects. Using medium or high speed stirring and dispersion can quickly dissolve the material and make the particles smaller.

The disperser is composed of five parts: hydraulic system, main drive, mixing system, guide mechanism, and electric control box. Each part has a compact and reasonable structure.

Tianchuang powder dispersing machine adopts variable frequency speed regulation, hydraulic or pneumatic lifting, easy and convenient operation, and is equipped with explosion-proof configuration, safe and reliable; It is a powder equipment for stirring, dissolving and dispersing liquid materials in chemical industries such as coatings, dyes, pigments, inks, papermaking, and adhesives.

The dispersing machine is an efficient equipment used for stirring, dispersing, and dissolving coatings and solids. It is widely used in chemical products such as coatings, inks, pigments, and adhesives.

Through the high-speed operation of the dispersing disc, the dispersing machine causes strong shear impact and friction between the material and the dispersing disc, achieving the functions of rapid emulsification, dissolution, uniform mixing, and dispersion.

## Technical parameters

Model specifications	Host power (KW)	Maximum speed (r/min)	Dispersion disc diameter (mm)	Lifting stroke (mm)
FS-4	4	1400/2800	50-200	700
FS-3	3	1400/2800	50-200	600
FS-2.2	2.2	1400/2800	50-200	550
FS-1.5	1.5	1400/2800	50-200	500
FS-1.1	1.1	1400/2800	50-200	500
FS-0.75	0.75	1400/2800	50-200	500

## **Accessories & Customization**

### **Accessories**

Grinding jars, heating elements, sample holders, control modules and other matching accessories can be selected according to the product configuration.

### **Customization**

For voltage, capacity, chamber size, process temperature or application requirements, please contact TENCAN for a suitable configuration.