Professional
Powder Equipment
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Product Brochure

MIXED SERIES

Hydraulic dual-shaft disperser

FS

Hydraulic dual-shaft disperser: high-speed disc shear, impact, friction to emulsify, disperse viscous liquids.

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Product Overview

Hydraulic dual-shaft disperser: high-speed disc shear, impact, friction to emulsify, disperse viscous liquids.

Product Introduction

The dual-axis hydraulic 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 dual-axis hydraulic disperser has very little air absorption during mixing and dispersing, and has excellent mixing and smoothing effects. Using medium or high speed mixing and dispersion can quickly dissolve the material and make the particles smaller.

The double-axis hydraulic disperser consists 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 the preferred 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.

Technical parameters

Model specifications	Host power (KW)	Maximum speed (r/min)	Dispersion disc diameter (mm)	Lifting stroke (mm)
FS-5.5	5.5	1400/2800	100-200	800
FS-7.5	7.5	1400/2800	100-200	800
FS-11	11	1400/2800	100-200	800
FS-15	15	1400/2800	100-200	800
FS-18.5	18.5	1400/2800	100-200	800
FS-22	22	1400/2800	100-200	800
FS-37	37	1400/2800	100-200	800
FS-45	45	1400/2800	100-200	800
FS-55	55	1400/2800	100-200	800

Working Principle

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.

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.