High-Speed Homogenizer

Model **D-500** | Brand **Master Science**



High Speed Homogenizer

The D-500 High-Speed Homogenizer is an efficient and versatile tool designed for homogenizing, emulsifying, and suspending applications. Its compact design, high-speed capabilities, and ease of handling make it an excellent choice for laboratories and research facilities.

KEY HIGHLIGHTS

- Continuously Adjustable Speeds
- Triple Safety Mechanism
- Quick-Change Dispersing Tools
- Feedback-Controlled Speed
- Cost-Effective Solution

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Key Features

Continuously Adjustable Speeds
Ensures better control and precise results.

ENHANCES EASE OF HANDLING AND OPERATION.

Triple Safety Mechanism
Includes overload protection, smooth start to prevent jerky operation, and a safety switch for user protection.

Quick-Change Dispersing Tools
Reduces preparation time with a simple tool-switching mechanism.

Feedback-Controlled Speed
Maintains constant motor speed even under changing loads.

Cost-Effective Solution
A high-quality laboratory dispersing unit offered at a competitive price.

Technical Specifications

PARAMETER	SPECIFICATION
High-Quality Dispersing ToolsMade from SS 316L steel, providing excellent corrosion resistance.	
Handles High ViscositiesCapable of processing materials up to 10,000 cps viscosity.	
SpecificationDetails	
Speed SettingKnob	
Speed DisplayScale	
Process Range (H2O)10~40,000 mL	
Speed (Zero-Load)10,000~30,000 rpm	

PARAMETER	SPECIFICATION
Applicable Aggregates	Ø4~Ø23 mm
Viscosity Capability	Up to 10,000 cps
Noise Level	72 dB (at 30,000 rpm)
Motor Type	AC
Input / Output Power	500 W
Supply Voltage	220V / 50~60Hz
Relative Humidity (Max.)	80% RH
Operating Temperature	0~40°C
IP Code	IP20
Dimensions (Drive)	70 × 70 × 255 mm
Weight (Drive)	1.3 kg

Applications

Homogenizing

Emulsifying

Suspending

Standard Accessories Included

- The recommended set includes:
- D-500 Homogenizer
- SS20CSR20 Dispersing Shaft
- WF11-D Stand for D-500 Homogenizer
- Positioning Ring
- Fastening Belt

> The D-500 comes with a broad spectrum of dispersing tools to cater to various laboratory needs.