Contract Products

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Resino Color Industry Co., Ltd.

Contract Media Dispersion Processing

We can produce liquid dispersions based on the materials, formulations, and processing conditions specified by our customers. We perform wet dispersion processing for a wide range of raw materials such as pigments, specialty fillers, and additives (solid to liquid) into various solvents. We have a wide range of production equipment available, so feel free to contact us.

Sanda Manufacturing Site

MANUFACTURING SITE (AERIAL PHOTO)

Inside Organic Solvent Hazardous Material Factory (General)

Inside Organic Solvent Hazardous Material Factory (Clear/White)

Raw Material Delivery Route

SHEET SHUTTERS

AIR SHOWER

The raw material delivery route is equipped with double sheet shutters, and inside there is an air shower system. The sheet shutters are interlocked.

Features of Resino Color's Media Dispersion Processing

1 New Wet Dispersion Factory

This new manufacturing site was established in Sanda, Hyogo Prefecture (Techno Park) in July 2016. The raw material intake is equipped with an air shower system, and each production process is separated by partitions, ensuring consideration for the environment.

2 Wide Range of Production Equipment

We have a variety of media dispersion equipment available, capable of handling wet dispersion for a wide range of viscosities from low to high. Additional mixing, dispersion, and filtration equipment are also available to accommodate complex manufacturing processes.

3 Able to Handle Everything From Lab Testing to Full-Scale Production

Equipped with lab facilities, we are able to conduct comprehensive formulation studies and process adjustments with the assumption of full-scale production.

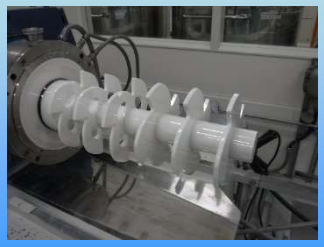
4 Extensive Processing Know-How

With our expertise cultivated over many years, we handle dispersion processing from micron to nano scale according to customer specifications. Our proprietary formulation techniques tailored to target characteristics can be utilized, allowing us to propose dispersions that meet your objectives.

Main Production Equipment

■Dyno-Mill

■ Dyno-Mill Interior



■ Bead Mill for Micro Media

■Dissolver

Main Evaluation Equipment

Laser Scattering Particle Size Distribution Analyzer (LA-960 V2 HORIBA)

Particle Size Distribution Measurement Device (Nanotrac Wave-Ⅱ UT-151)

Spectrophotometer (CM-3600 A Konica Minolta Japan)

E-Type Rotational Viscometer (TV-30 Toki Sangyo)

Temperature and Humidity Controlled Chamber

HIRESTA UP (MCP-HT450 Mitsubishi Chemical Analytech)

Loresta GP (MCP-600 Mitsubishi Chemical Analytech)

B-Type Rotational Viscometer

Main Specifications of Dyno-Mill and Circulating SC Mill

Device Name	KD-20BC
Number of Units	2 Units for General Use
	2 Units for Clear/White
Vessel Capacity	16.5 L
Mill Material	General-Purpose Hardened Steel
	Clear/White Ceramic
Flow Rate/min	2 - 5 L
Media Size	0.5 - 2 mmΦ

Device Name	KD-45DC
Number of Units	1 Unit for General Use
Vessel Capacity	45 L
Mill Material	General-Purpose Hardened Steel
Flow Rate/min	5 - 20 L
Media Size	1 - 2 mmΦ

Device Name	SC-220
Number of Units	1 Unit for General Use
Vessel Capacity	2.8 L
Mill Material	Ceramic
Flow Rate/min	0.5 - 3 L
Media Size	0.2 - 2 mmΦ

(Auxiliary Equipment) : Dissolver: 3 units for general use, 2 units for clear/white; cartridge filter; turntable, Media types (zircon, zirconia, glass)

(Contract Processing Examples) : Dispersion of special fillers (inorganic and organic), binders, additives (solid to liquid), solvents

(Application Examples) : Electronic materials field, automotive field, hygiene materials field, etc.

Sanda FI Factory

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Sanda Manufacturing Site

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