

Contract Processing for Wet Media-Less Micronization

We offer the Nanovater, a wet media-less micronization device that enables reduction of contamination by eliminating media, damage-free processing of particles, and uniform dispersion. Feel free to contact us for more information.

Sanda Manufacturing Site



ENTIRE SANDA MANUFACTURING SITE (AERIAL PHOTO)

Raw Material Delivery Route



Inside Organic Solvent Hazardous Material Factory (General)



Inside Organic Solvent Hazardous Material Factory (Clear/White)





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 the Wet Media-less Micronization Device

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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.



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.



Equipment Features

The process utilizes the shear force from liquid-to-liquid collisions, allowing treatment without damaging (stressing) the particles. Contamination from the equipment and cross-contamination from residues are minimized. Additional mixing, dispersion, and filtration equipment are available to accommodate complex manufacturing processes.

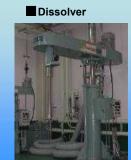


Extensive Processing Know-How

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









Temperature and Humidity Controlled Chamber







HIRESTA UP (MCP-HT450 Mitsubishi Chemical Analytech)



Spectrophotometer (CM-3600 A Konica Minolta Japan)



Loresta GP (MCP-600 Mitsubishi Chemical Analytech)



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



B-Type Rotational Viscometer



Main Specifications of Nanovater

Device Name	Nanovater	
Device Name	Testing Machine NVL-ES008-D	Production Machine NVB-E152 D24X-EXP
Number of Units	1	1
Туре	Fully Automatic Drive Type	Build-up Type
Flange Configuration	Single Axis	Dual Axis
Continuous Processing Capacity	6 L/hr (D10)	150 L/hr (D24)

(Auxiliary Equipment) (Application Examples) : Dissolver, Cartridge Filter, Turntable

(Contract Processing Examples) : Dispersion of carbon-based fillers/binders/additives (solid to liquid)/solvents : Electronics materials field, etc.

Sanda FI Factory

Resino Color Industry Co., Ltd. Sanda Manufacturing Site 669-1339

30-3 Technopark, Sanda City, Hyogo Tel.: 079 (568) 7600 Fax: 079 (568) 0909

See more information online

https://www.resinocolor.co.jp/

Please note that the contents of the catalog are subject to change without prior notice.

Contact us at:

Resino Color Industry Co., Ltd. Sales Department 532-0028

3-1-102 Juso Motoimazato, Yodogawa-ku, Osaka City Tel.: 06 (6301) 0638 Fax: 06 (6308) 6638 130-0021

1-1-3 Midori, Sumida-ku, Tokyo Tel.: 03 (3634) 1746 Fax: 03 (3633) 6929