

Multiplelabs
Turnkey Laboratories Solutions



Analytical[®]
Technologies Limited

SIZER -3000 Series

Laser Particle Size Analyzer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

Features :

SIZER 3000 Series is a wet wide distribution intelligent particle size analyzer. The advanced test principle, unique calculation mode and authoritative calibration method make this instrument have outstanding advantages such as accurate test results, good test repeatability, and high resolution. It is the best choice for wide-distribution particle size testing.

Advantages:

Smart operation mode:

Smart operation mode supports one-button operation, click "Automatic Test" and follow the prompts to add samples, all other operations will be completed automatically. It not only reduces the workload of testers, but also eliminates the interference errors caused by human factors.



Wide Measuring range :

The test range is suitable for users with small particle size samples, and the test effect on submicron particles has reached international standard.

Automatic alignment:

The precision four-phase hybrid stepping motor is used to form the optical path automatic centering system, and the micro-motion accuracy reaches 0.1 micron, which keeps the instrument's optical path in the best state all the time, while eliminating the troubles and difficulties caused by manual alignment of the optical path accuracy and stability of test results.



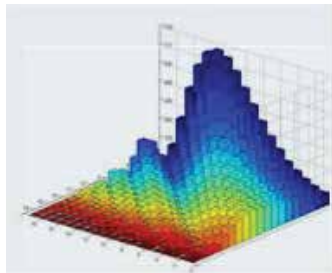
Fully built-in dispersion system:

It adopts a fully built-in dispersion system, which integrates mechanical stirring, ultrasonic dispersion, and pipeline circulation. The overall control coordination is good, and the pipeline is shortened to prevent secondary precipitation of large particles.



Unconstrained free fitting technique:

Using the original unconstrained free fitting technology particle size analysis is not limited by any function, and can truly reflect the distribution state of particles.



Advanced optical path design:

The converging light Fourier transform optical path is used to effectively improve the ability to distinguish submicron particles.



Application :

Abrasives, adhesives, agrochemical, barite, Batteries, Bentonite, Boron Carbide, Bricite, Bubble, Calcite, Calcium Carbonate, Carbon Black, Catalysts, Cement, Ceramics, Chemicals, Clay, Coal, Coatings, Corundum, Cosmetics, Diamond Powder, Dolomite, Diatomite, Emulsion, Environmental, Explosives, Ferrite, Flour, Fluorescent, Fluorite, Food & Beverage, Food Additive, Graphite, Grinding, Inks, Kaolin, Medicine, Metal Powder, Mica, Milling, Minerals, Oxides, Paints, Paper, Petrochemical, Pharmaceuticals, Pigments, Plaster, Plastics, Polymers, Quartz, Refractory, Resins, Silica, slurry, Soil Sediments, Starch, Sulfur, Synthetics, Talc, Toners, Tourmaline, Wollastonite, Zeolite, Zirconium Silicate etc etc. Industry

Technical parameter:

Executive Standard		ISO13320-2009/G8/119077-2016
Principle		Laser Diffraction
Analysis		Mie and fraunhofer scattering
Size range		0.1m-1000um
Channels		86 pcs/Log-spaced array/High sensitive/Photoelectric probe
Accuracy error		<1% (Deviation of D50 on national standard sample)
Reatability error		<1% (Deviation of D50 on national standard sample)
Laser		High Performance Semiconductor Laser= 632.8nm, p>2.0mW)
Wet dispersion	Ultraso	Frequency.40KHz Power.60W, Time 1S
	Agitator	Revolutions Speed: 0-3000RPM (Adjustable)
	Circulation	Rated Flow 8Umin Rated Power 10W
	Sample pool	Volume 450ml
Operation mode		Manual and Full automatic
Optics		Red light source/Reverse Fourier (convergent beam)
Optical alignment system		Full automatic optical path alignment system
Software Function	Analysis mode	Free Distribution, R.R Distribution, Logarithm Normal Distribution, Mesh number classification etc.
	Statistic Method	Volume Distributio n, Quantity Distribution
	Statistic Comparison	Several Testing Results of samples, Different batches of samples testing result, Samples before and after processing , Test result of samples in different time.
	User-defined Analysis	Figure out percentage according to the particle size Figure out particle size according to the percentage Figure out percentage according to the particle size range Meet demands of representation of particle test in different industrie
	Test Report	Word, Excel,JPG, Text and etc
	Multiple language Support	Multiple language Support
	Intelligent operation	Automaticaly control water inflow, dispersion.test and analysis Better Repeatability after remove human-factor
Testing speed		<2min/time (including all the procedures) fastest measuring time<10S
Running temperature		15°C-35°C
Outer dimension		L86cm"W39cm* H46cm
Net weight		40Kg

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



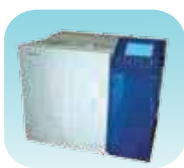
UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Partical
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



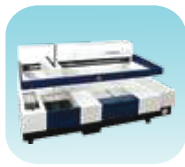
Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



NOVA-2100
Chemistry Analyzer



PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



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