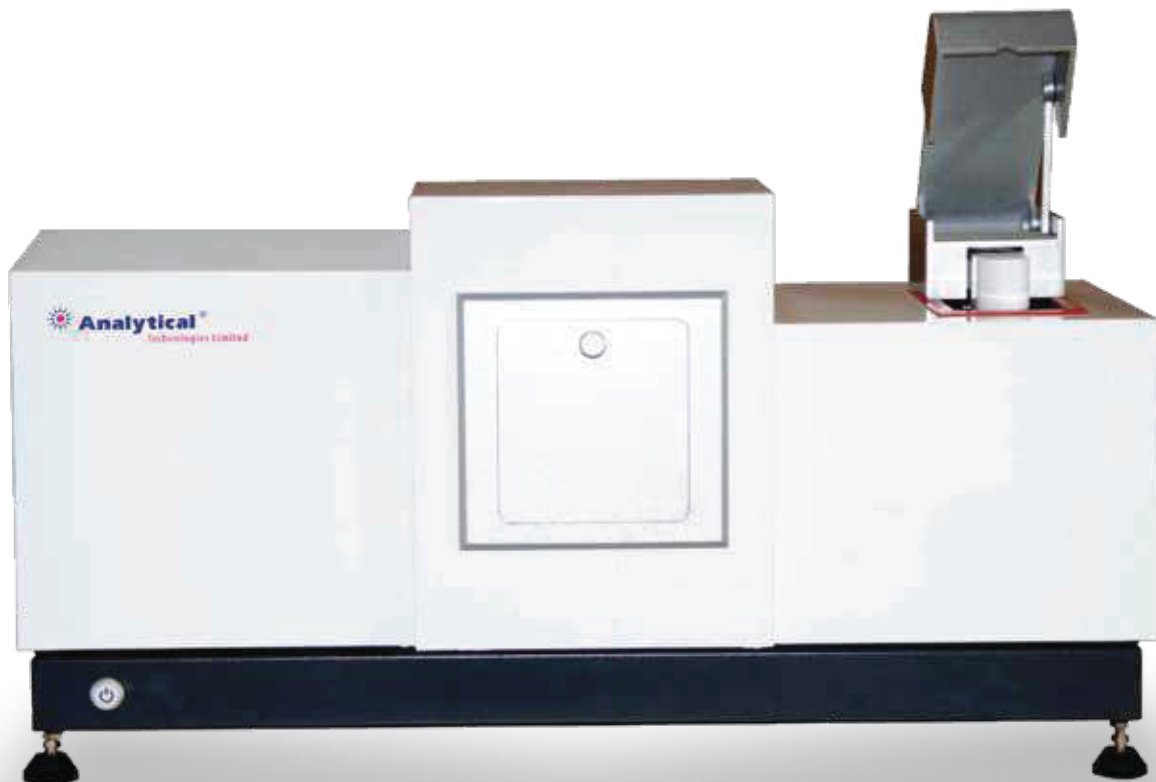


# FULLY AUTOMATIC WET LASER PARTICLE SIZE ANALYZER SIZER - 3510H



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

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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SIZER-3510H is Intelligent wet dispersion laser particle size analyzer with reliable measurement performance from sub-micron to millimeter .Driven by Standard Operation Procedure (SOP), the instrument minimizes manual participation and makes particle size measurement fast and routine. SIZER-3510H combines a perfect balance of function and value.

### ►► Advantages:

- Measuring Range: 0.1μm to 600μm
- Accuracy: ≤0.5% (GBRM D50)
- Repeatability: ≤0.5% (GBRM D50)
- Detector: 66 pieces
- Laser : High-Performance He-Ne Laser
- Standard Operation Procedure (SOP)
- Light Path Automatic Centering Make Accuracy to Micron
- Sample Pool : Boiling Sample Pool make dispersion very well
- Automatic Operation Mode
- Fully Built-In Dispersion System
- Unconstrained Free Fitting Technology which Can Reflects The Authentic Distribution of Particles

### ►► SPECIFICATIONS:

Principle:		MIE Scattering Theory
Measuring Range:		0.1-600μm
Channels Number:		66 pieces
Accuracy error:		<0.5%(D50 on national standard sample)
Repeatability error:		<0.5%(D50 on national standard sample)
Light source:		High performance He-Ne Laser (λ= 635nm, P>10.0MW)
Dispersion Method:	Ultrasound:	Frequency: 40KHz, Power: 80W, Time can be adjusted
	Stir:	Stir and Circulate integrated design Revolutions Speed: 100-3950RPM (Adjustable)
	Circulate:	Rated Flow: 0-10L/min, Rated Power: 25W
	Sample Pool:	Boiling Sample Pool make dispersion very well Capacity: 190-600mL
	Micro-Sample Pool:	Volume: 10mL(Optional for Precious Sample)
Operation Mode:		Full-Automatic Operation Mode
Optical Calibration System:		Automatic
Test Report:		Word, Excel,Photo( Bmp), Text etc
Language Support:		English
Testing speed:		<2min/time
Operating System:		Windows XP/ Windows 7/ Windows 10
Outer dimension:		L98cm*W41cm*H45cm
Net weight:		30Kg
Anti-Dust and Anti-Shock Design:		Yes

►► **Features:**

►► **Advanced design of light path:**

A patented technique of Fourier transform of converging light released the scattered light at large-scattering- angles from the restriction of the aperture of the Fourier lens.

The focal length is reduced to enhance the resolution of the instrument, and ring shaped of multi-element silicon photo-diode ensure gathering all the light signals of particles, highly improve the resolution.

►► **Built-in dispersion units:**

We carefully aligned the stirring set-up, the ultrasonic dispersing unit and the sample circulation pipes, and fixed them inside the instrument. Such a built-in design effectively prevents the inhomogeneous dispersion and sedimentation of big particles, which can be observed in the designs that these dispersing units are separated from the instruments, where the sample circulation pipes are therefore too long, The sample will be sufficiently dispersed.

►► **Modern measurement control: (Intelligent SOP Operation)**

Users can perform all measurement procedures by simply operating on the PC and have ideal results in a very short time.

►► **Fully automatic light path alignment :**

A precise four phase hybrid stepping motor automatically aligns the optical path and can adjust it at any moment, precision is up to 0.1um, This releases users from manual adjusting the optical path and improved accuracy and stability of the measurement results.

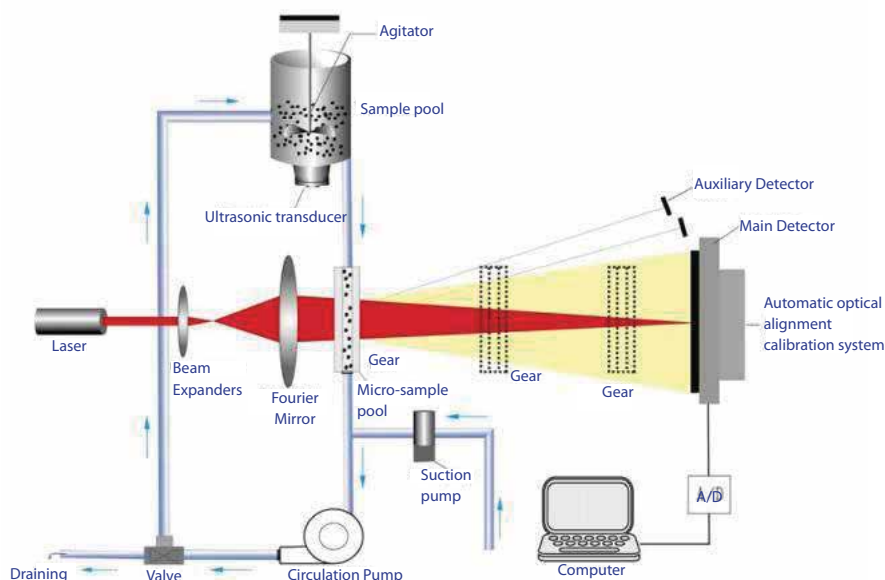
►► **Quick measurements :**

set “ automatic” mode, all operation procedures are performed automatically,automatic water supply, automatic ultrasonic sample, stirring, circulation,background testing, sample testing,analysis, draining and cleaning, which significantly reduces the time for measurements, the full process only take 2 minutes.

►► **Application :**

SIZER-3510H is suitable for Clay Powder, Emulsion, Drilling Mud,Lubricant,Ink,Sediment,Water Coal Slurry,Liquid Pesticide and so on .

►► **Instrument Work Principle:**



## Regulatory compliances



## Corporate Social Responsibility

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



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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](mailto: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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