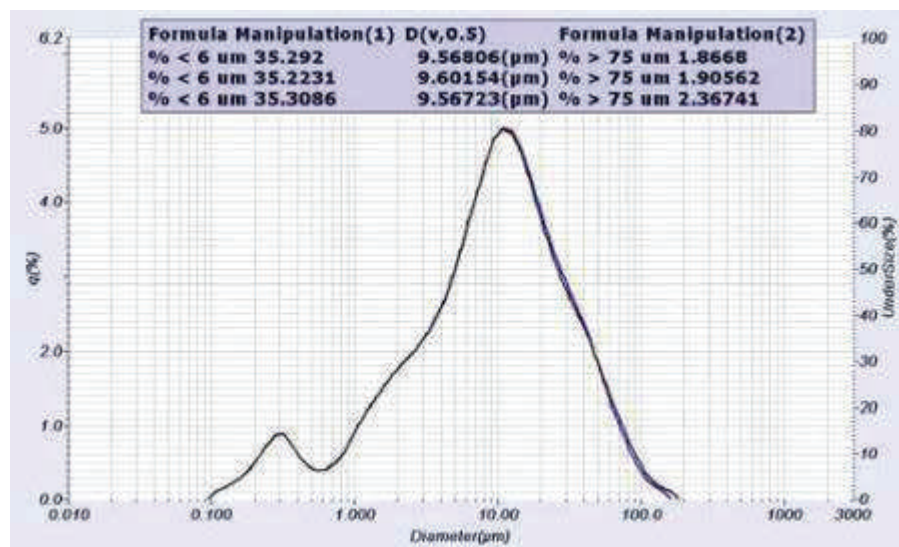


Laser Particle Size Analyzer SIZER - 3930H



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

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►► TECHNICAL SPECIFICATIONS :

Size Range	0.1-500 µm
Sample Inflow Method	External peristaltic circulating and dispersing system
Repeatability	1% (CRM D50)
Accuracy	<1% (CRD D50)
Measuring Principle	Mies scattering theory
Laser	Import optical fiber semiconductor Laser
Operation System	Win XP/win 7
Connection Port	USB or RS 232
Photo detector	76pcs
Ultrasonic Power	50W
Tank Capacity	500ml
Circulating Flow rate	1500ml/min
Small Volume cell capacity	20ml
Small Volume cell Agitator Speed	120rpm
Voltage	220V,50/60Hz
Outer Dimension	720*300*280mm

►► OUTSTANDING FEATURES :

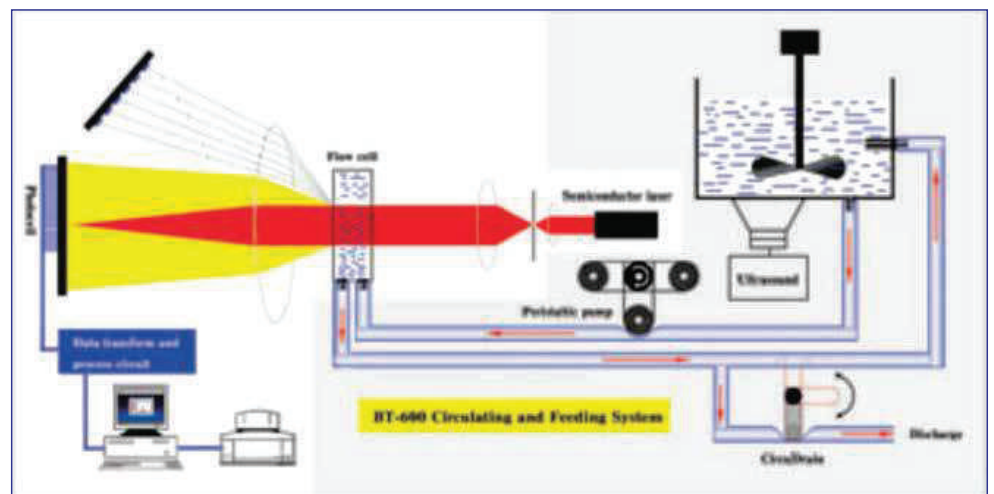
Import semi-conductor laser runs for 25000 hours(4 times longer than common He-Ne laser) in Wavelength 635nm and power 3mw.

Unique 76 photodetectors are highly sensitive and consistent so as to effectively capture even faintly scattered signal.

Two forms of sample feeding by circulation system and small cell assembly expand the applications. Small cell as-sembly suits costly, heavy metallic samples or samples not work-able with water; circulation system for metallic or non-metallic powders and many fields

Process data by Mie scattering theory, inversion algorithm incorporates R-R Free 1 and Free 2 distribution patterns in order to satisfy needs of various industries, fields and customers.

Passed calibration enables units to run with better accuracy and correlation.



► APPLICATIONS :

The production, application and research field for a range of non – metallic powders, such as calcium carbonate, talcum, kaolin, zirco-nium silicate, wollastonite, graphite, silica powder, tourmaline, mi-ca, bairer, plaster, betonite, diamond, quartz diatomite, feldspar, calamite, clay, garnet, vermiculite, Titanium with power, and more.

The production, application and research field for a range of metal-lic powders, such as aluminum, iron, magnesium, molybdenum, copper, zinc, other rare metal and varied alloy, and more.

Other applications such as pharmaceutical, agricultural pesticide, abrasive, food, cement, ceramic, soil, pigment, scientific research teaching, oil exploration geological analysis, river sediment, elec-tronic material, materials of chemical and military industry, battery material and more.

▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

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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.

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