

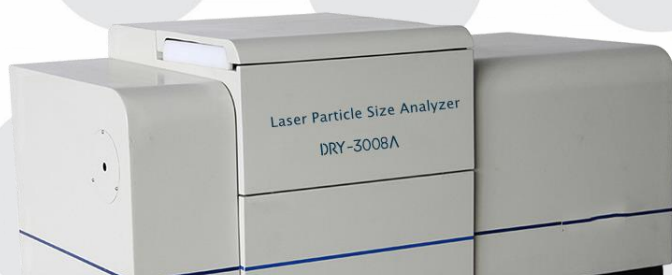


DRY-3008A

Laser Particle Size Analyzer

Gold APP Instruments China

Lead You to Particle World Better



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INTRODUCTION

DRY-3008A is intelligent laser particle size analyzer with dry dispersion unit, manual and fully automatic operation modes. MIE scattering principle as basic, converging light Fourier transform light path, highly stable He-Ne laser, and highly sensitive ring photoelectric detector, guarantee good repeatability and accuracy.

It uses air as dispersion medium, and use turbulent dispersion principle with high precision feeding device, patent powder spray pump and oil-free silent gas source guaranteeing the samples to be fully dispersed. It's fit for any dry powder materials, especially the powder that takes chemical reaction with water or changes its shape in liquid. Compared to the wet laser particle size analyzer, It's with the same accuracy and repeatability.

FEATURES

- **Advanced testing optical path**

Converging light Fourier transform light patented technology, make scattering light not be restricted to lens aperture. Dual spectrum plane optical design, rational distribution of 100 photoelectric probe, effectively collecting the light intensity of forward, side direction three-dimensional space, the minimum detection angle is up to 0.0155 degrees, to expand the measurement range to 2000 microns, imported from Japan Fourier lens, to ensure stable and accurate particle sizing.

- **Scientific dispersion system**

Turbulence dispersion patented technology and normal shock shearing effect, make particles sufficient dispersion, adopt wearable ceramics improve dispersion system's working life.

- **Human-based operation mode**

Manual and fully automatic, easy choose.

- **High precision-automatic optical path calibration system**

It's composed of precise four phase hybrid stepper motor, its inching precision is reach to 0.1-micron level, so light path is always in a good state.

- **Intelligent data analysis-winner unique software support**

Analysis software collect large quantity of particle information in high speed, and inverse particle distribution by unconstrained free fitting technology, then intelligent statistics and analysis of testing data, ensure accuracy and repeatability of the output.

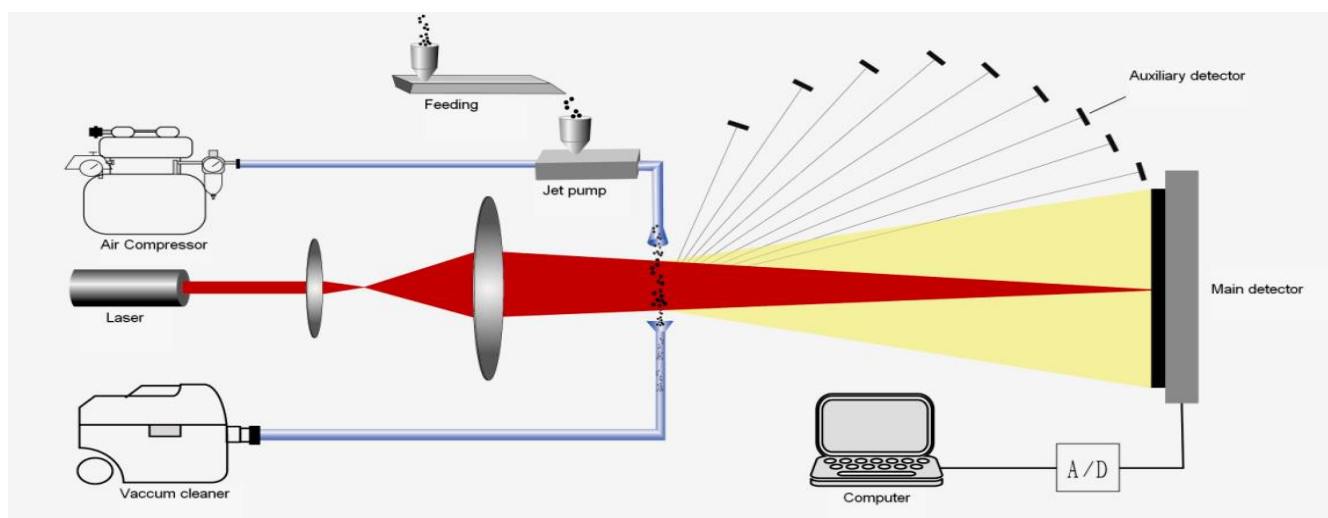
The results not only show particle distribution, the cumulative value curve and typical particle sizes (D10, D50, D90.), but also support user-defined analyze result, such as any features particle diameter from D0 to D100, cumulative percent (bigger than or less than a certain particle diameter).

Users can design the test report output and display forms according to industry requirements.



SPECIFICATIONS

Model	DRY-3008A	
Standards	ISO 13320-1:1999 ; GB/T19077.1-2308 ; Q/0100JWN001-2013	
Measuring Range	0.1µm-2000µm	
Photoelectric Probe Nos	100 pcs	
Accuracy Error	<1% (Deviation of D50 on national standard sample)	
Repeatability Error	<1% (Deviation of D50 on national standard sample)	
Light Source	Semi-conductor laser ($\lambda = 632.8\text{nm}$, $P > 2.0\text{MW}$)	
Dispersion	Dry-turbulence dispersion mode, normal shock wave shear technique	
Operation Modes	Manual & fully automatic	
Operation Temperature	+5°C to +40°C	
Feeding	Automatic vibration feeding	
Optical Calibration System	Automatic	
Software Functions	Analysis Modes	Free Distribution, R-R Distribution, Logarithm Normal Distribution, Mesh number classification etc.
	Statistic Method	Volume Distribution, 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 industries.
	Test Report	Word, Excel, Photo (bmp), Text etc.
Test Speed	<1min for each time	
Power Supply	220V	
Outer Dimension	L104cm×W44cm×H54cm	
Net Weight	58 KG	

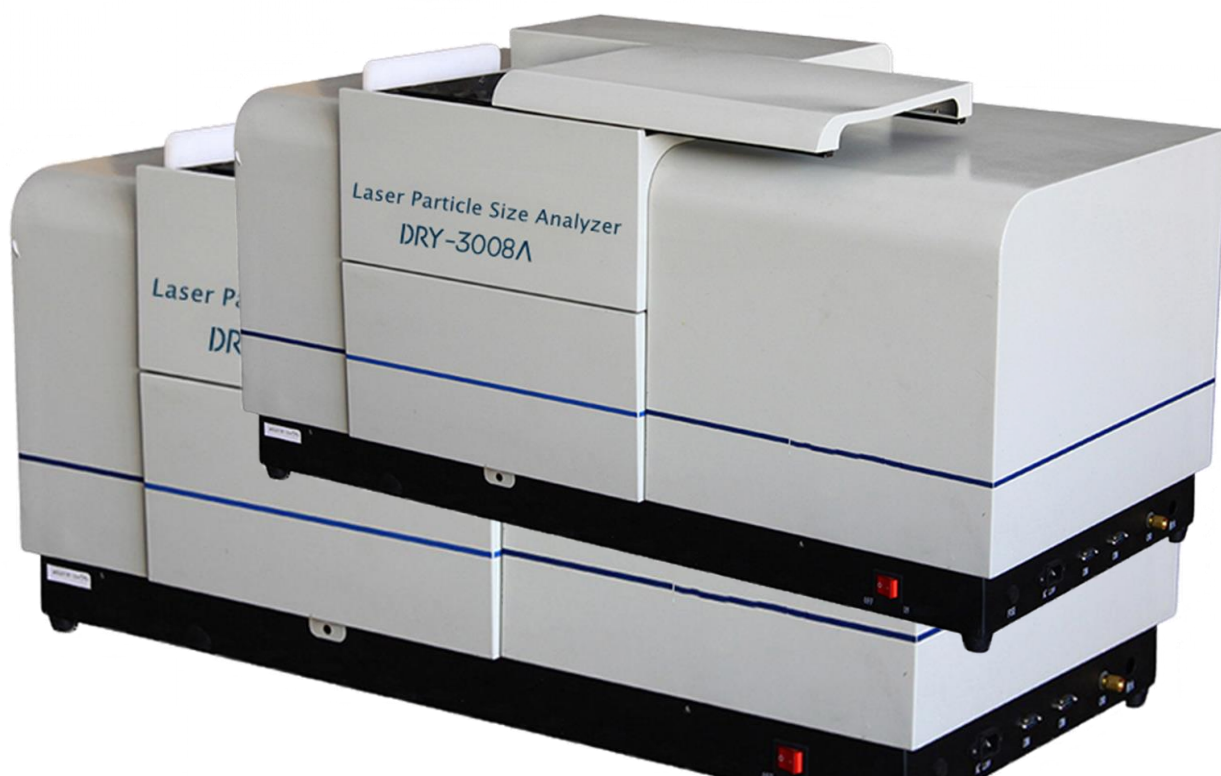


Working Schematic



ACCESSORIES

N0.	Items	Quantity	Unit
1	particle size analyzer	1	Set
2	Software	1	Set
3	Dongel	1	PC
4	Air compressor	1	PC
5	Dust cleaner	1	PC
6	Standard sample	2	PC
7	Power cable	2	PC
8	Communication cable	1	PC
9	Negative pressure gauge	1	PC
10	Screw driver	3	Set
11	Wrench	2	PC
12	Balloon	1	PC
13	Brush	1	PC
14	Cleaning mirror paper	3	PC
15	PU pipe $\Phi 8$	1	PC
16	Silicone tube	1	PC
17	Spoon	1	PC
18	2A fuse	5	PC
19	Quality certificate	1	PC
20	Warranty Card	1	PC
21	Manual	1	PC



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Our policy of continuous development may cause the information and specifications contained herein to change without notice or liability.



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