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Brand positioning:

Analytical instrument manufacturer, laboratory solution provider!

Company introduction:

Shanghai Yuke Industry Co., Ltd. was established in 1999. It is a leading manufacturer of analytical instruments and laboratory equipment in China, and is known as a high-quality instrument manufacturer and perfect service provider. Committed to the research and innovation of scientific instruments and analytical methods in the food and pharmaceutical industries, in order to promote green food and health drugs, develop and produce analytical measuring instruments, and provide technical workers with application methods and comprehensive solutions.

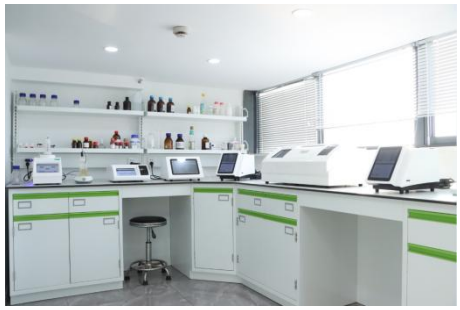
Yuke professional R&D laboratory instruments include: **Thermal Analyzer (DSC/TGA/STA), Microwave Digester, Dissolution system, Melting point meter, Polarimeter, Refractometer, Density meter, Turbidity meter, Dropping point & Softening point tester, Micro heating table, Potentiometric Titration , Moisture meter, Osmometer , Viscosity meter, Hardness tester, Flash point tester ..** They are widely used in pharmaceutical and food quality control, education and research, environmental science, chemical engineering and other fields.

Yuke has established strict working standards and technical standards in R&D, parts procurement, standardized manufacturing, and production inspection. Yuke has obtained CE certification, TART certification, ISO quality management system certification, more than 10 software copyrights and multiple patents to ensure that each instrument has stable performance and excellent quality. Yuke headquarters was established in Shanghai, China, with 15 sales branches in China, sales agents in more than 10 overseas countries, and 2 production plants. At the same time, we have a top R&D team returned from Europe and America, cooperate with our superb manufacturing team, professional sales team and dedicated service team, working together to provide customers with high-tech, high-quality products and efficient, convenient, Comprehensive pre-sales and after-sales professional services.

At present, Yuke's products have been exported to more than 50 countries including the United States, Germany, France, Malaysia, Vietnam, India, Italy, etc. We are committed to participating in Arablab, PICCTON, Analytica Russia, Lab Africa, Analytica Germany, Analytica Latin America and other exhibitions. Open up different markets, and enjoy a good reputation with reliable quality, reasonable prices and good service to win a large market share.

Yuke is committed to providing customers with a better user experience and hopes to become a world-class scientific instrument manufacturer and laboratory solution provider!





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Fully Automatic Dry Laser Particle Size analyzer

JH2020-L

Brief introduction

Our company regards "creating the most stable domestic laser particle size instrument" as its own responsibility, and takes science and technology to create a brand, quality to enter the market, and reputation to win the world as its policy, and strives to create an ultra-stable and cost-effective domestic laser particle size instrument. YK2020-LDry Intelligent Automatic Laser Granulometer has won unanimous praise from customers since its launch.

YK2020-L Dry Intelligent Automatic Laser Granulometer is a dry automatic laser particle size analyzer, which is widely used in the powder industry. Our company has designed different templates for different industries. Customers can choose cement templates, abrasive templates, etc. according to their needs.

The main features

The optical path is upgraded to a double-lens design: strictly refer to international standards, effectively improve the effective optical path of sample dispersion, avoid errors caused by calculation, and make the measurement results more accurate. The converging light Fourier transform test technology is used to ensure the maximum range at the shortest focal length , effectively improve the resolving power of the instrument; the unique arrangement of small probes enables the 2010 to have super small particle testing capabilities. The superior automatic centering system and computer operating system highlight the humanized design of YK2020-L.

Highly stable optical path optimization: The ingenious design allows YK2020-LDry Intelligent Automatic Laser Granulometer to have the most advanced high-stable optical path. It uses high-stability, high-power fiber output lasers. The excellent configuration makes YK2020-L have super stability; the main optical path A fully enclosed design is adopted to ensure that the instrument can be tested in a complex environment for a long time.

★Fully sealed fiber semiconductor laser: It adopts a highly stable and long-life fully sealed imported fiber semiconductor laser. The excellent stability makes YK5200-H have super test repeatability, and its life is more than 30,000 hours.

★Laser power monitoring and automatic adjustment: exclusive use of constant power laser, real-time detection of laser power and automatic adjustment function, effectively avoiding the problem of laser power attenuation caused by long-term use. At the same time, a constant current, constant voltage and high filter laser power supply is used to effectively prolong the life of the laser, and the normal use can reach more than 30,000 hours.

★Laser intelligent management system: YK2020-LDry Intelligent Automatic Laser Granulometer is the first to add a laser intelligent management system. The intelligent management system monitors the working status of the instrument in real time. Once it receives a work order, the intelligent management system will

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instantly light up the laser, and the high-performance laser will be activated within 3 seconds. to achieve a stable working state. After the sample test is completed, the intelligent management system will automatically turn off the laser, and the laser will basically not attenuate. In theory, there is no need to replace the laser for life.
Unique dry dispersing system: YK2020-L dispersing system is optimized on the basis of French theoretical data, which makes YK2020-L disperse dry powder more evenly, and the super negative pressure ensures the continuity and uniformity of feeding , effectively avoid the mutual adhesion of dry powder during the test.
The feeding method is newly upgraded: the upgraded dispersed samples directly enter the measurement area, which can effectively solve the problem of inaccurate test results caused by the secondary agglomeration of samples; at present, only our family adopts this method in China, and imported instruments are also In this way, other manufacturers have to pass through a hose after dispersing, which will cause the samples to reunite.
Detector: The YK2020-LDry Intelligent Automatic Laser Granulometer detector adopts a new design combining the main detector and the auxiliary detector, which ensures seamless detection in the full range of the instrument and makes the test more accurate. The main detector is designed with an automatic centering system, which can realize one-key automatic centering of the instrument, highlighting the humanized design. At the same time, it effectively avoids damage to the detector by manual centering, effectively prolonging the service life of the instrument.
Dust-proof and shock-proof design: The instrument is sealed as a whole, which greatly improves the service life of internal components. The unique suspension structure can effectively avoid the interference of external vibration to the instrument, making the test results more stable and reliable.
Automatic calibration of the optical path: the optical path changes slightly, and the instrument can adjust the optical path by itself to avoid damage to the detector during manual adjustment.
No residue in the pipeline: After the test is completed, there is no residual sample in the pipeline, which will not interfere with the next test.
Computer-controlled feeding: The tester can accurately control the feeding amount of the instrument with the help of a computer.
Software: Complies with the GMP regulations of the Pharmacopoeia, and has functions such as electronic signature, authority setting, data tracking, and data cannot be changed.

Technical parameters

Model	YK2020-L	YK2020-H
Executive standard	ISO 13320-1:1999；GB/T19077.1-2008	ISO 13320-1:1999；GB/T19077.1-2008
Test range	0.1μm -1250μm	0.1μm -2000μm
Number of detector channels	101	109
Accuracy error	<1% (D50 value of national standard sample)	
Repeatability error	<1% (D50 value of national standard sample)	
Feeding method	Mechanical stepless speed regulation vibration feeding, software control	
Oil-free silent air compressor	with dust filtering function to ensure test accuracy	
Freeze Dryer	he freeze dryer can filter the moisture in the air to ensure the dispersion effect	
Misoperation protection	The instrument has the self-protection function of misoperation, and the instrument does not respond to misoperation	
Laser parameter	Imported fiber output high power laser λ= 650nm, p>10mW	
The laser intelligent	management system monitors the working status of the instrument in real time. Once the intelligent management system receives the work order, the laser will be turned on instantly, and the high-performance laser will reach a stable working state within 3 seconds.	

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Lens	Imported Canon lens
Dispersion method	High pressure air dispersion
Intelligent operation mode	Software intelligent automatic control operation
Optical path alignment	Optical path automatic calibration
Test speed	<1min/time (excluding sample dispersion time)
Volume	980mm*410mm*450mm
Weight	35KG
software function	
Test report	The test report can be exported to Word, Excel, picture (Bmp) and text (Text) documents in various forms, satisfying the need to view test reports on any occasion and quote test results in scientific research articles
Self-DIY	user-defined data to be displayed, find the percentage according to the particle size, find the particle size according to the percentage
Statistical method	Volume distribution and quantity distribution to meet different statistical methods for particle size distribution in different industries
Statistical comparison	Statistical comparative analysis can be carried out for multiple test results, and the difference between different batches of samples, samples before and after processing, and test results at different times can be clearly compared, which has strong practical significance for the quality control of industrial raw materials
Analysis modes	Include free distribution, R-R distribution and logarithmic normal distribution, statistical mode according to object classification, etc., to meet the different requirements of different industries for the particle size statistics of the tested samples
Display template	Calculate the percentage of the particle size interval to meet the characterization methods of particle size testing in different industries. Radius distance, consistency, interval accumulation, etc.
Intelligent operation mode	The truly automatic unattended operation, without interference from human factors, you only need to add the sample to be tested according to the prompts, and the repeatability of the test results is better.
Multi-language support	Chinese and English language interface support, and other language interfaces can also be embedded according to user requirements.