

Main Specifications:

Model Name	Winner2309A/Winner2309B	
Standard	ISO13320-1:2009,GB/T19007-2016,Q/0100JWN001-2013 Compliance with 21 CFR Part 11	
Principle	Laser diffraction principle	
Analysis	Mie and Fraunhofer scattering	
Detector Arrangement	Log-spaced array, test angle from 0.015 degree to 145 degree	
Measuring Range	Wet:0.01 μ m-1200 μ m Dry: 0.1 μ m-1200 μ m	
Silicon Photodetectors	Wet:127 pcs Dry:100 pcs	
Accuracy error	Wet<1% Dry<1% (CRM D50)	
Repeatability error	Wet<1% Dry<1% (CRM D50)	
Light source	High performance semiconductor red laser (λ =639nm) P>3.0MW Auxiliary green solid semiconductor laser (λ = 405 nm) P>2.0MW (available)	
Optical path	Converging light Fourier transform optical path	
Effective focal length	500mm	
Laser Safety	Class 1	
Wet dispersion	Ultrasonic	Frequency:40KHz Power:60W, Time: \geq 1S
	Stir	Revolutions Speed: 0-3000RPM (Adjustable)
	Circulate	Rated Flow:30L/min Rated Power:70W
	Anti-overflow sensor (UK)	Prevent water overflow and effectively protect the instrument
	Sample tank	Volume:1000mL
	Micro-Sample cuvette	Volume: 10mL (optional), suitable for testing precious samples and corrosive samples.
Dry dispersion	Dry-turbulence dispersion patent technology, normal shock wave shear technique	
Feeding Speed	Adjustable (Variable speed knob)	
Operation Mode	Full automatic / manual control, freely choose	
Dispersion medium	Compressed Air, pressure: 0 to 6 bar	
Optical bench alignment system	Full automatic, precision is up to 0.2 μ m	
Full Test Speed per time	Wet: <2 Min Dry : <1min Interval time per test result :500ms	
Outer dimension	L120 \times W37 \times H56cm , L44.2*W28*H34.2cm	
Net Weight	62+15 KG	