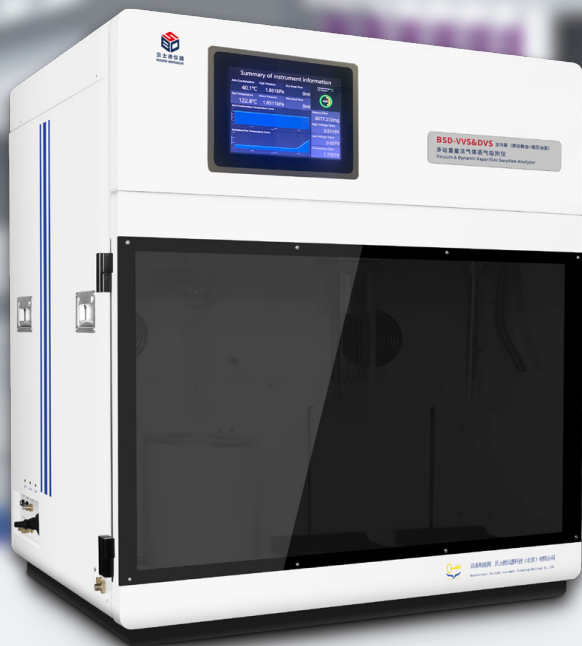


BSD-VVS&DVS series

Multi-station Gravimetric Gas /Vapor Sorption Analyzer



BSD INSTRUMENT
FOCUS ON SORPTION

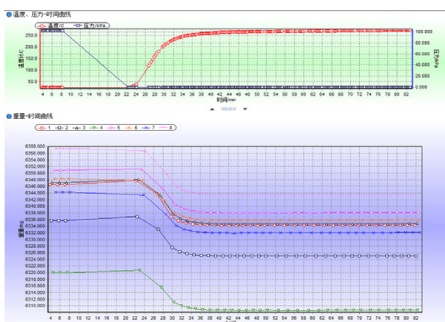


◆ Gas and Vapor Adsorption Isotherm

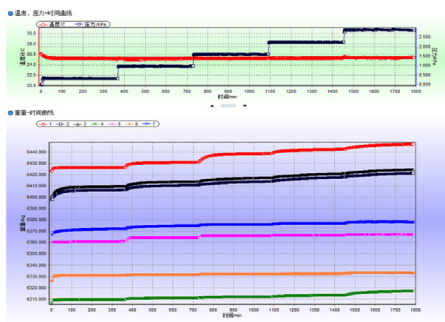
◆ Equal Pressure Adsorption Kinetics

◆ Auto-cycle Adsorption Performance

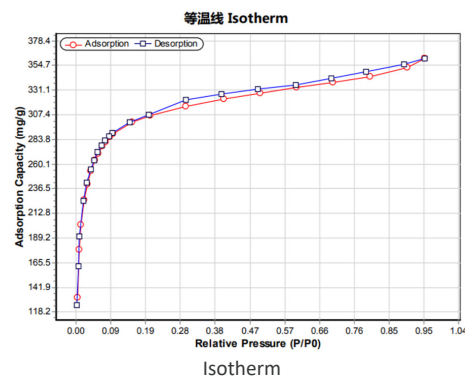
Test Report



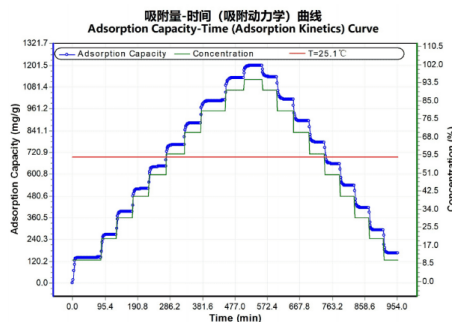
Real-time Display of Degassing Condition



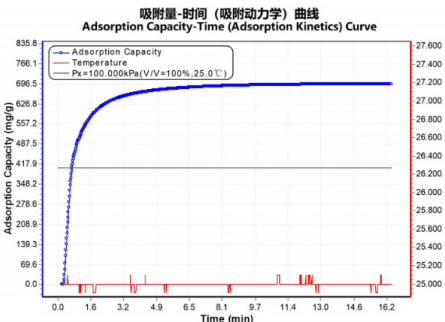
Multi-sample Adsorption Kinetics Analysis (Equal Pressure)



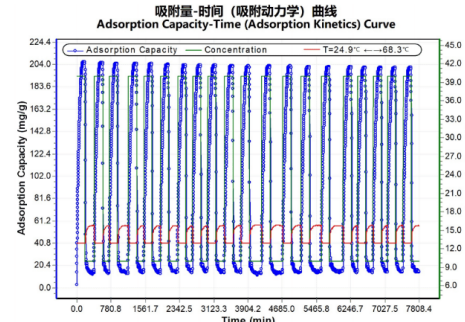
Isotherm



Real-time Display of Degassing Condition



Multi-sample Adsorption Kinetics Analysis (Equal Pressure)



Isotherm

Multi-station Gravimetric Gas /Vapor Sorption Analyzer



Model and Specification Test Method	BSD-VVS Vacuum Static Method	BSD-DVS Dynamic Method	BSD-VVS&DVS Both-In-One
Auto-adsorption Condition	<ul style="list-style-type: none"> Constant pressure and varying temperature Constant pressure and varying pressure 	<ul style="list-style-type: none"> Varying pressure and varying pressure; 	
Analytic Station	<ul style="list-style-type: none"> 4/8 test ports Multi-station analysis in the same test environment 		
Micro-Balance (Resolution/Measure Range)	<ul style="list-style-type: none"> Resolution/measure range: 1ug/5000mg and 0.1ug/100mg Widen loading mass of sample with high precision 		
Test Gas/ Vapor	Non-corrosive gas and vapor	All gas and vapor include the corrosive	All gas and vapor include the corrosive
Test Temperature Range	From -5°C to 150°C , support precision at ±0.1°C ;		
Vapor Generation Mode	'Static evaporation'	'Gas mixture flowing'	Both-In-One
P/P0 Range	0.1% to 98%	P/Po(RH)from 2% to 98%, wider range available	0.1% to 98%
Activate Pretreat and Degas Mode	<ul style="list-style-type: none"> Vacuum degas with molecular pump Temp: room temp to 400°C precision at ±0.1°C ; 	<ul style="list-style-type: none"> Atmospheric purging degas; Temp: room temp to 300°C , precision at ±0.1°C ; 	Both-In-One
Visible Heat and Degas Process	<ul style="list-style-type: none"> 32-segment programmed heating to prevent samples being blown away, showing real-time weighing sample 		
Buoyancy Compensation	<ul style="list-style-type: none"> Buoyancy calculation mode (Default) Background deduction of blank port mode; 	<ul style="list-style-type: none"> Buoyancy deduction of blank port mode; 	
Simultaneous Test of Blank port	Parallel test of using blank port as background and buoyancy deduction.		
Vacuum System	<ul style="list-style-type: none"> Mechanical pump + molecular pump system 10⁻⁶ torr available 	/	<ul style="list-style-type: none"> Mechanical pump + molecular pump system 10⁻⁶ torr available
Pressure Transducer	<ul style="list-style-type: none"> Two pressure transducers range 100 torr - 1,500 torr; High precision, and segment measurement; 	/	<ul style="list-style-type: none"> Two pressure transducers range 100 torr - 1,500 torr; High precision, and segment measurement;
Mass Flow Controller	/	Two MFCs range from 500sccm	

<p>Title of Paper Published</p>	<p>Graph of Paper Published</p>	<p>Title of Paper Published</p>	<p>Graph of Paper Published</p>
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