

Data Analysis Specification

	Method and divided	Accuracy	Resolution	Range	Data information	Extension (Remark)
Static contact angle	Tangent line method1	±0.1degree	±0.01degree	0~180°	Average contact angle, left contact angle, right contact angle, drop volume, height, base line length, base area, measured time, wetting energy, spreading coefficient, work of adhesion	
	Tangent line method2					
	Trigonometric function					
Dynamic contact angle	Captive method	±0.1degree	±0.01degree	1~180°	Advance angle, Receding angle, Hysteresis, drop volume, etc.,	Applied model is only P-MT (A,T)
	Tilting method	±0.1degree	±0.01degree	0~90°	Work of adhesion, Advance angle, Receding angle, Hysteresis, drop volume, etc.,	(optional)
Surface tension	Pendent drop method	±0.1mN/m	±0.01mN/m	1~1000 mN/m	Drop volume, Surface tension	
Surface free energy	G.G.F.Y	±0.1mN/m	±0.01mN/m		Surface free Energy	
	Owens-Wendt	±0.1mN/m	±0.01mN/m		Surface free Energy, Dispersive value and Polar value	
	Lewis (Acid/Base)	±0.1mN/m	±0.01mN/m		Surface free Energy, Dispersive, Polar, Acid, base value	
Capture speed	CCD			0~70FPS	Basic supplied is 70FPS	0~315FPS (Optional)
Machine vision Resolution				640x480	Basic supplied is 640x480	1280x1024 (Optional)
System	Quantitative dispensing with Head up-down automatically				Applied only Phoenix—MT(T) model	
	Dispensing by 3 ml syringe					
Motor	Programmable drive motor		1/51200	1~51200		Applied model is only P-MT (A,T)
Data export method	Two modes of Excel export, BMP, CSV file					

Data save method	Save as .SZX and Excel					
Sample stage	X,Y axis sliding or Turning for wafer					Mapping(auto X,Y axis) is have to discuss with SEO)
Device dimension						
Device net weight						Depends on it
Power	110/220V(50/60HZ)					