ramé-hart Model 500

Advanced Contact Angle Goniometer with DROPimage Advanced Software

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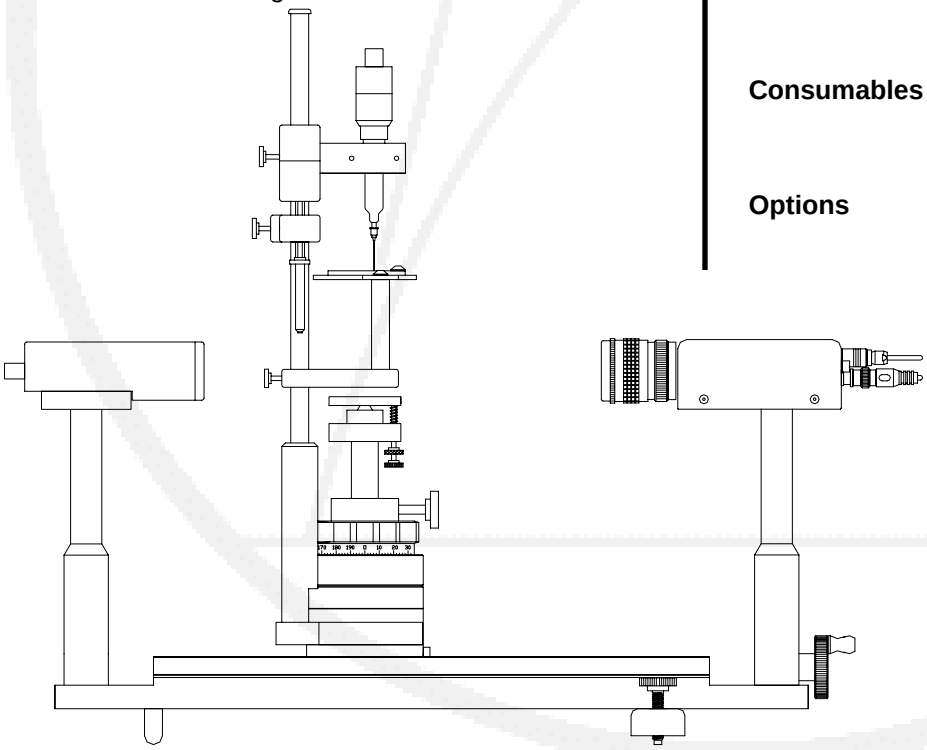
This top-of-the-line modular tool is the starting point for many possible configurations. Model 500 accepts every available accessory and includes our award-winning DROPimage Advanced software for complete methods-based interfacial analysis with pendant, inverted pendant, sessile, and captive bubble drops. Additionally, contact angle, surface energy, and calibration tools are included. Add the optional Automated Dispensing System to increase the accuracy and speed of dispensing as well as for advancing and receding studies.

What's in the box: Goniometer with Camera, Microsyringe Fixture and Shade, Illuminator and Fiber Optic Cable, (1) Microsyringe Assembly, (1) 22g Straight Needle, PC System with LCD, Frame Grabber and DROPimage Standard Software, User Manual, Calibration Tool, and Storage Cover — everything needed to start taking measurements.



Specifications

Stage Size	2 x 3 in (51 x 76mm)
Sample Size	up to 12 x 12 in (300 x 300mm)*
Contact Angle Range	0 to 180°
Resolution	0.01°
Accuracy	**+/-** 0.10°
Camera	CCD 768x494 Active Pixels; 30fps
Backlighting	Variable Fiber Optic Illuminator
Stage	Precision 3-Axis Locking
Dimensions	19 x 20 x 10 in (480x500x250mm)
Weight	20 lbs / 9.1 kg (excluding power)
Power Supply	110 or 220 VAC
DROPimage Features	Contact Angle Measurement (7) Surface Energy Tools Methods-based Surface Tension Pendant, Sessile, Captive Bubble Calibration Tool

Consumables	Fiber Optic Bulb	100-00-FOB
	Microsyringe Assembly	100-10-20
	Needles	100-10-12-22
Options	Automated Dispenser	100-22-100
	Environmental Chamber	100-07
	Humidity Chamber	100-07-H
	Elevated Temp. Syringe	100-11
	Wafer Support	100-21-x
	Vacuum Chuck	100-21-VCx
	Tilting Base	100-06
	Lead Frame Support	100-23
	Environmental Fixture	100-07-60
	Film Clamps	100-15

Contact us for a complete options list.

Custom options available.

* requires custom optics and substrate support options for larger samples.

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