

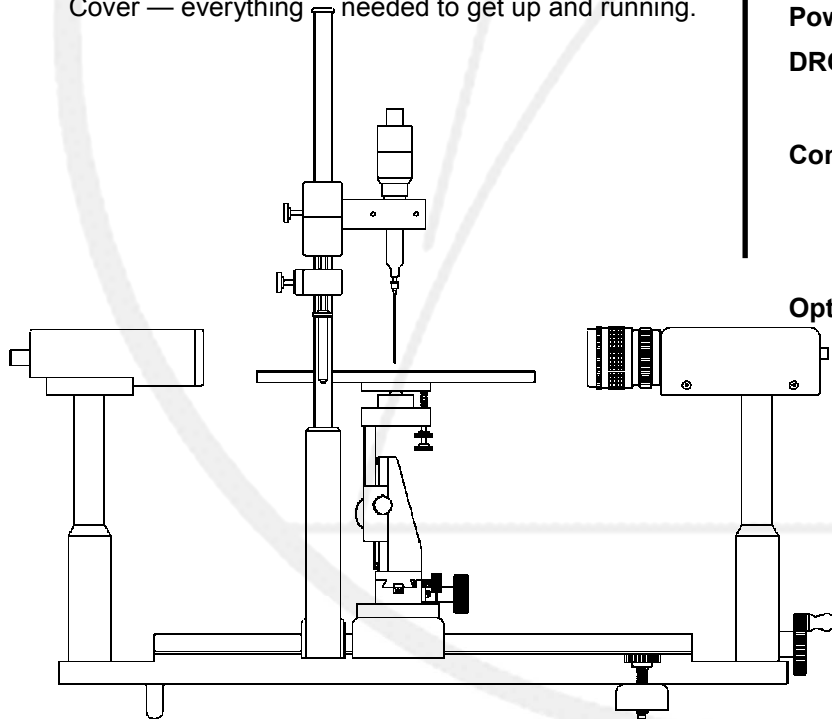
ramé-hart Model 400

Contact Angle Goniometer with Wafer Support and DROPimage Standard Software

ramé-hart Model 400 (p/n 400-U1)

Model 400 has been specifically designed for use with semiconductor thin films and includes an 8" rotating wafer support (ideal for 200mm wafers). This tool is invaluable through each step of the semiconductor manufacturing process — from identifying surface contaminants, analyzing primers and coatings, to the quality and uniformity of surface preparations. This tool includes our 21" bench and U1 Series Super-Speed digital camera. The system can easily be upgraded to support larger wafers (up to 13.625" diameter) or smaller (4").

What's in the box: Goniometer with 21" Bench and U1 Series Camera, 8" Rotating Wafer Support, Microsyringe Fixture, Illuminator and Fiber Optic Bundle, (1) Microsyringe Assembly, (1) 22g Straight Needle, PC and LCD, the DROPimage Standard program, User Manual, Calibration Tool, and Storage Cover — everything needed to get up and running.



Specifications

Stage Size	8 in (203mm) diameter
Sample Size	up to 13.62 in (345mm) diameter*
Contact Angle Range	0 to 180°
Resolution	0.1°
Accuracy	+/- 0.10°
U1 Series Camera	SuperSpeed USB 3.0, 1/3" CCD, 100fps, Progressive Scan, Sony Sensor, 659 x 494 pixels
Backlighting	Variable Fiber Optic Illuminator
Stage	Precision 3-Axis Locking Leveling
Dimensions	24 x 20 x 10 in (610x500x250mm)
Weight	24 lbs / 11 kg (less power and PC)
Power Supply	110 or 220 VAC
DROPimage Features	Contact Angle Measurement (7) Surface Energy Tools Calibration Tool

Consumables	Spares Kit	100-SPARES-F
	Illuminator Bulb	100-00-FOB
	Microsyringe Assembly	100-10-20
	Needles	100-10-12-22
Options	Automated Dispensing	100-22
	Wafer Support	100-21-x
	Vacuum Chuck	100-21-VCx
	Manual Tilting Base	100-25-M
	Environmental Fixture	100-07-60
	Film Clamps	100-15
	DROPimage Advanced	500-22

Contact us for a complete options list.

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

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