

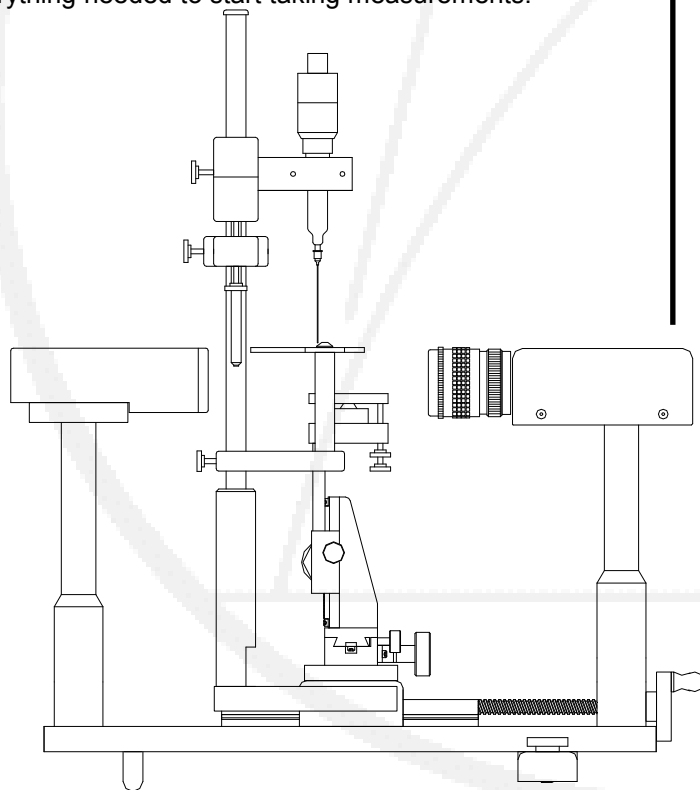
# ramé-hart Model 200

## Standard Contact Angle Goniometer with DROPImage Standard Software

### ramé-hart Model 200 (p/n 200-F4)

The Model 200 is a popular and robust contact angle tool designed to offer the highest level of precision computer-aided contact angle and surface energy analysis at the lowest possible acquisition cost. This instrument accepts the optional Automated Dispensing System, Manual Tilting Base, Environmental Fixture, and Wafer Support up to 4" in diameter. It can also be upgraded to DROPImage Advanced software.

**What's in the box:** Goniometer with F4 Series Camera, Microsyringe Fixture and Shade, Illuminator and Fiber Optic Bundle, (1) Microsyringe Assembly and (1) 22g Straight Needle for manual dispensing, PC and LCD, DROPImage Standard Software, User Manual, Calibration Tool, and Storage Cover — everything needed to start taking measurements.



### Specifications

<b>Stage Size</b>	2 x 3 in (51 x 76mm)
<b>Sample Size</b>	3 in (76mm) deep x unlimited
<b>Contact Angle Range</b>	0 to 180°
<b>Resolution</b>	0.1°
<b>Accuracy</b>	+/- 0.10°
<b>Camera</b>	IEEE1394a FireWire, 1/3" CCD, 400Mbps, 70fps, Progressive Scan
<b>Backlighting</b>	Variable Fiber Optic Illuminator
<b>Stage</b>	Precision 3-Axis Locking Leveling
<b>Dimensions</b>	19 x 20 x 10 in (480x500x250mm)
<b>Weight</b>	14 lbs / 6.3 kg (excluding power)
<b>Power Supply</b>	110 or 220 VAC
<b>DROPImage Features</b>	Contact Angle Measurement (7) Surface Energy Tools Calibration Tool
<b>Consumables</b>	Fiber Optic Bulb 100-00-FOB Microsyringe Assy. 100-10-20 Needles 100-10-12-22
<b>Options</b>	Environmental Fixture 100-07-60 Wafer Support (4") 100-21-4 Software Upgrade 500-22 Automated Dispensing 100-22 Manual Tilting Base 100-25-M Film Clamps 100-15

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$$\sigma = F(d_s/d_0) d_c^2 g (\rho_1 - \rho_2)$$

