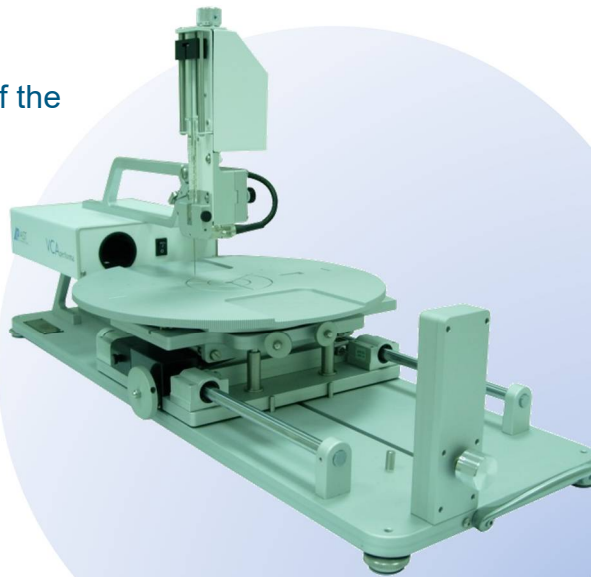


Applications:

- Coating assessment of the HMDS process
- Surface contamination detection
- Adhesive and primer preparation
- Coating uniformity
- Coating quality
- Surface cleanliness



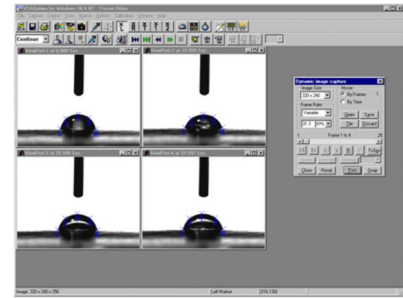
VCA Performa 300™

Hardware Features

- High-resolution video camera with magnifying lens with high intensity LED lighting for precise image capture
- 300mm rotating stage, allows access to all areas of the wafer
- High-end PC is standard with high-performance video board for advanced image analysis and video capture
- Flat Screen Monitor

Software Features

- Automatic contact angle imaging and calculation
- Dynamic droplet capture (movie viewing of droplets)
- Surface energy (dynes/cm) analysis
- SPC (Statistical Process Control)
- Pendant Drop surface analysis



Dynamic Capture Window

Syringe Assembly

- Vertical Orientation
- Straight Needle
- Motorized Drive Mechanism
- 1.8 Degree Stepping Motor
- Syringe Head: Tilt back for safe and easy removal of large samples

Sample Platform

- Platform size and shape 12" Circular
- Sample size and shape 4", 6", 8", 12" circular Not wider than 12"
- Movement along the optical axis 6" by hand sliding with lock
- Movement transverse to the optical axis 6" by dial
- Vertical traveling distance 2" by dial
- Rotating 360 degrees by hand with Planary Bearing

VCA Optima

VCA 46 series (automatic mode)