



# ResMap 468-SMIF

Designed to meet the needs of 200mm high volume manufacturing with SMIF cassettes, the ResMap Model 463-SMIF features CDE's patented multiple probe changer - available in either the two or four probe configuration. This unique capability delivers the most cost effective four point probe for conductive film measurements. This model is capable of handling 200mm wafers in both SMIF and open cassettes; a 150mm wafer open cassette adaptor is available.

<b>Specification</b>			
<b>Features:</b>	200mm SMIF handler; mini-environment; dual or quad probe changer	<b>Minimum Edge Exclusion:</b>	1.5mm (center of probe to edge of film)
<b>Wafer Size:</b>	200mm SMIF & open cassette auto load; adaptor for 150mm; manual load any size	<b>Computer System:</b>	Pentium class 1.2 GHz, 512MB RAM, 40GB HD, DVD-RW, FD; 15" monitor; operating system: Windows XP
<b>Max Diameter:</b>	15"	<b>SECS-II Option:</b>	Available; 300mm factory automation also available
<b>Max Square:</b>	10.5" x 10.5"	<b>POD-ID Option:</b>	N/A
<b>Typical Measurement Time:</b>	1 second per site	<b>Mapping Patterns:</b>	Polar map (align with notch/flat, straddle, or follow flat); rectangular map (choose inside edge exclusion); line scan (diameter, radius or any point to point along diameter, minimum step 0.1mm); user defined (template)
<b>Typical Wafer Handling Time:</b>	8 seconds each way	<b>Plots:</b>	Contour (spacing choice, 1/3 $\sigma$ , fixed and auto %), 3D, line, data map, histogram, data sequence, radial and angular distributions; various modes of trend charts available
<b>Typical Notch Find Time:</b>	5 seconds; standard notch finder	<b>Data:</b>	All ResMap data files can be ported to programs such as Excel® for further analysis.
<b>Maximum Throughput:</b>	35 wph with NF (49 sites)	<b>Facilities</b>	
<b>Measurement Range:</b>	2 m $\Omega$ /□ - 5 M $\Omega$ /□ (can be optimized to 1 m $\Omega$ /□)	<b>House Vacuum :</b>	Required; >500 mm Hg, on 1/4" OD flexible tubing
<b>Repeatability (1<math>\sigma</math>):</b>	≤ ±0.02% (static or Rs pack); ≤ ±0.1% (dynamic nearby spots, typical)	<b>AC Power:</b>	100V to 240V < 10 KVA
<b>Accuracy:</b>	≤ ±0.5% using NIST traceable ResCal standards	<b>Size (inches): width x depth x height</b>	22"w x 44"d x 60"d; floor standing; (computer system, etc. enclosed)