

Orbotech AOI 1500 System Specifications

Technology Range	Down to 15µm feature & space on glass Might be limited by material irregularity on PET														
Products Inspected	ITO pattern, metal lines pattern, raw materials														
Materials Inspected	ITO, any metal (including silver, copper and Mo/Al/Mo), photo resist, PET, glass, tempered glass														
Defects detected	Shorts, opens, scratches, minimum feature/space violations, nicks, protrusions, islands, pinholes, missing or excess features, wrong size and position of features														
Inspection Methods	Full reference comparison Design Rule Criteria (DRC) enabling raw material inspection														
Panel Dimensions	Thickness range: 25-7500µm Max. panel size/ inspected area: 610 x 762mm														
Throughput	<p>ITO on Glass</p> <table border="1"> <thead> <tr> <th>Line width(µm)</th> <th>75</th> <th>50</th> <th>37.5</th> <th>25</th> <th>15</th> <th>10</th> </tr> </thead> <tbody> <tr> <td>Sides per hour</td> <td>124</td> <td>124</td> <td>115</td> <td>87</td> <td>50</td> <td>34</td> </tr> </tbody> </table> <p>Based on panel size 16"X18" with 1" panel margin (Net inspection size is 14" X 16" or 356 mm X 407mm), including 15 seconds for load/unload</p>	Line width(µm)	75	50	37.5	25	15	10	Sides per hour	124	124	115	87	50	34
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Defect Verification	On-line; Orbotech VRS 500														
Defect Repair	Orbotech AOR 100														
Setup Data Source	CAM; DRC														
Dimensions (W x D x H)	161cm x 178cm x 186cm														
Weight	900Kg														

Specifications are subject to change without notice.

AOI 1500 is class-1 laser product.