



# iEDX-1 50 $\mu$ T

## High Performance Coating Thickness Analyzer

X-ray tube	<ul style="list-style-type: none"> <li>Mo/Rh/W/Ag Target(Option), 50kVp, 1mA</li> </ul>
Detection System	<ul style="list-style-type: none"> <li>SDD (Silicon Drift Detector)</li> </ul>
Energy Resolution	<ul style="list-style-type: none"> <li>125eV FWHM at Mn K<math>\alpha</math></li> </ul>
Collimator	<ul style="list-style-type: none"> <li>Poly capillary optics (50~100<math>\mu</math>m)</li> </ul>
Detection Element	<ul style="list-style-type: none"> <li>Al(13) - U(92)</li> </ul>
Sample Type	<ul style="list-style-type: none"> <li>Solid / Liquid / Powder, Multi-Layer</li> </ul>
Size of the sample chamber	<ul style="list-style-type: none"> <li>390mm X 410mm X 100mm (W x D x H)</li> </ul>
Key Features	<ul style="list-style-type: none"> <li>Auto / Manual Stage Mode</li> <li>Plating thickness measurement general, Rh, Pd, Au, Ag, Sn, Ni</li> <li>Film thickness measurement of multilayer thin films. (up to 5 Layer)</li> </ul>
Camera Magnification	<ul style="list-style-type: none"> <li>40~80 x</li> </ul>
Safety	<ul style="list-style-type: none"> <li>3 point interlock</li> </ul>
Type of Report	<ul style="list-style-type: none"> <li>Excel, PDF / output</li> <li>Custom form</li> </ul>
Key Benefits	<ul style="list-style-type: none"> <li><b>Micro focused measuring point(70<math>\mu</math>m) using capillary optics</b></li> <li>Film thickness measurement of multilayer thin films. (up to 5 Layer)</li> <li>Convenient stage control</li> <li>Multi-point measurement possible</li> <li>Remote Support by on line</li> </ul>
Application	<ul style="list-style-type: none"> <li>Plating thickness measurement special, ENEPIG, Pd-Ni, Rh etc.</li> <li>Plating analysis automobil parts, Electronic circuit board (PCB), Such as a capacitor</li> <li>Analysis of single-layer, Multi-layer, Alloy plating</li> <li>Thickness with Composition Ratio can be measure on time in alloy plating</li> </ul>



ISP CO., LTD.  
www.ispXRF.com

#### Headquarter

# 303-1, Apartment Factory, 20,  
Palgwajeong-ro, Deokjin-gu, Jeonju-si,  
Jeollabuk-do, Korea (Palbok-dong 3-ga)  
Tel : +82-63-263-8444  
Fax : +82-63-263-8445

#### Division/SE

# 274, Samsung-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, Korea  
Tel : +82-31-217-8788  
Fax : +82-31-217-8799