

Advanced Metrologies and In-Depth Interpretation





Why Work with Us?



Affordable Price
Up to 40% lower than industry pricing



Free Consultation
Before and after service



In-Depth Data InterpretationAs a second opinion to yours



Quality Assurance ProgramFree remeasurement if not satisfied

Advanced Applications



Objective



Solution

Identify defect type & density

PALS

Map dopant type & distribution

SCM/SSRM

Detect surface (< 3 nm) chemical bonds

Nano-FTIR

Image individual atoms

Cs-TEM

Metrology Services	
Microscopy	Visualization from macroscopic to atomic level: 3D-CT, AFM, C-SAM, Dual Beam FIB/SEM, SQUID, SEM, SCM, SSRM, TEM, Cs-TEM
Scattering	Analysis of material structure and composition: DBS, PALS, RBS, HFS, NRA, ToF SIMS, XRR, XRD, XRF
Chemical Analysis	Identification of elements and chemical bonding states: d-AES, d-XPS, ICP, NMR, MALDI ToF, EDS, EELS
Spectroscopy	Characterization of materials based on their interaction with light: Fluorescence, FTIR, Nano-FTIR, Raman, UV-VIS
Chromatography	Analysis of composition including trace impurities in liquids and gases: GC-MS, TGA-GC-MS, IC-MS, HPLC-MS, UPLC
Thermal & Mechanical	Qualification of physical properties of materials: Porosimetry, TMA, DSC, TGA, Nano-indentor, Nano particle tracking



High Resolution (HR) TEM/EELS Image of Gate Oxide EELS Aerial Mapping Oxygen All Together Structure and Compositional Analysis of Gate Structure Aberration (Cs)-Corrected TEM/EDS Aberration (Cs)-Corrected TEM/EDS Plan View TEM and EDS from a 3D NAND Chip





