

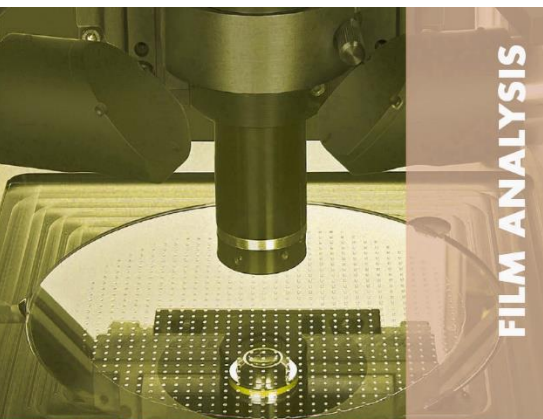
FILMS AVAILABLE



EMERGING MARKETS



- Noble Metals - Pd, Pt, Au, Ru, Ag
- Dielectric Films & Rare Earth Films
- Piezoelectric Materials – AlN, PZT, STO, BST
- Advanced Packaging-Panels, including Organic and Glass Substrates
- Quantum Computers-Super Conducting Layers



FILM ANALYSIS

- SEM (Scanning Electron Microscope)
- Four Point Probe to Characterize Films
- Stress Measurement Tool
- Spectral Photoreflector/Ellipsometer
- XRD (X-Ray Diffraction)
- Piezoelectric Coefficient - D33 Measurements



TARGET MATERIALS

- | | | | | | |
|----------|--------|--------|----------|--------|-----------|
| • Ag | • BST | • Hf | • NiFe | • Sc | • TiW |
| • Al | • C | • In | • NiV | • Si | • W |
| • AlCu | • Co | • ITO | • Pb | • SiC | • Zn |
| • AlN | • CoFe | • Mn | • Pd | • SiGe | • ZnO |
| • AlSiCu | • Cr | • Mo | • Pt | • Sn | • Zr |
| • Au | • Cu | • Nb | • Pyrex | • STO | • **Al2O3 |
| • AZO | • CuMn | • Ni | • Quartz | • Ta | • **HfOx |
| • B | • Ge | • NiCr | • Ru | • Ti | • **TiO2 |

Please enquire for a full listing to sales@hionix.com

**Most films are available in Nitrides, Oxides, or Carbides