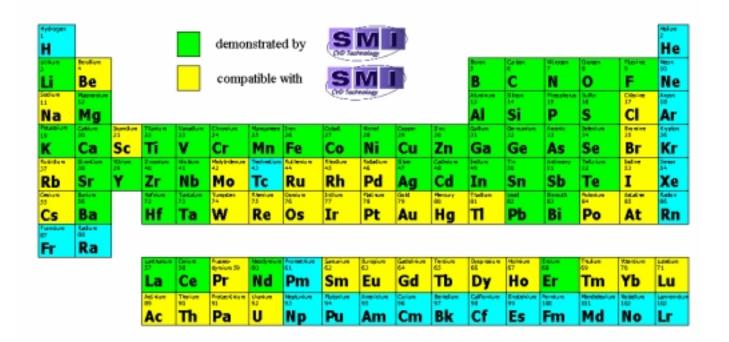
Materials & Process Development and Demonstration Services

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In support of our equipment sales, SMI maintains a full applications laboratory for demonstrating or developing, under contact, materials and processes. Our in-house tools include *SpinCVD*TM rotating disk reactors as well as non-rotating and diffusion furnance systems; including multiple reactors with 8" wafer capabilities. Supported equipment includes optical characterization, electrical characterization and XRD for crystallinity. We also use an array of complimentary analytic services to support our results.



A wide range of materials have already been demonstrated at SMI (and our customers) including oxides, nitrides, carbides, silicides and metals. Our in house staff includes experts in a wide range of materials and device needs. Application materials include ferroelectrics, piezoelectrics, waveguides and electroptics, spintronics, superconductors, thin film batteries, light emitters, displays, transparent conductive oxides, detectors, photovoltaics and thermophotovoltaics, among others.



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