

## X-Ray Multilayer Optics Development at RIT (formerly Osmic, Inc.)

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### **Abstract**

Rigaku Innovative Technologies (RIT) is a part of Japanese Rigaku Company. We are located in Michigan, USA. Major products of RIT are X-ray optical elements based on multilayer structures, X-ray beam modules, and SAXS instruments, vacuum feedthroughs, and X-ray detectors. A short introduction to RIT will be given. We will overview a status of multilayers development for different applications including fluorescent analysis, synchrotron instrumentation, and Extreme Ultraviolet Lithography (EUVL). Emphasis will be given to new developments such as multilayers for next generation EUVL at 6.Xnm. Multilayer optics for shorter wavelengths will be considered as well.