



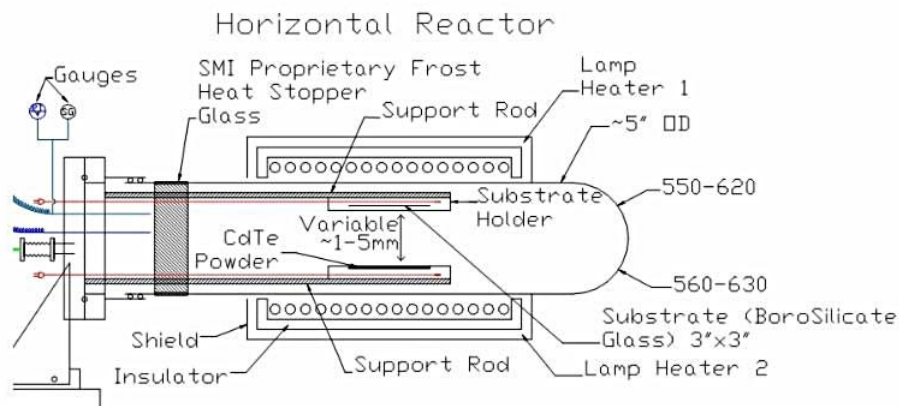
Structured Materials Industries, Inc.

SMI Closed Space Sublimation System - A Compact Simple System for CdTe/II-VI Material Growth

Structured Materials Industries, Inc. provides a packaged solution for CdTe/II-VI material growth, among many other materials, at an affordable price with the easy-to-use manual or automatic Close Space Sublimation System. With a small footprint, this system is ideal for researchers facing both budget constraints as well as facility limitations. The fast linear slide loading/unloading and the sublimation/deposition assembly makes for efficient growth. Further, with space left in the frame for additional gases and precursors this system is designed to grow with the researcher as their needs evolve.



Image shows conceptual system for the SMI Closed Space Sublimation System .



The image above shows the SolidWorks™ Design of a Horizontal Reactor for the SMI Space Sublimation System. This product is also offered with a vertical reactor.

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[Structured Materials Industries, Inc.](#) (SMI), with over 60 fielded MOCVD tools and 10 MOCVD and ALD process demonstration tools in-house, has extensive result oriented experience in providing materials, hardware, and device assistance to other businesses as well as research organizations. SMI is a

leading provider of thin film research and development MOCVD, PECVD, and ALD deposition systems for electronic, optical and electro-optic device fabrication, among other applications. We produce systems for research and production, in sizes ranging from stand-alone systems to high volume production tools. SMI also maintains an in-house applications laboratory, with facilities for materials characterization and device fabrication.

[Structured Materials Industries, Inc.](#) has an extensive history in working with customer/partners to deliver results in SBIR/STTR and other awards. We can provide a support infrastructure for writing award winning proposals and provide the physical support infrastructure for carrying out awarded programs through completing customer innovations or calling on collaborators to fulfill innovations. We are always open to confidentially exploring additional partnerships and collaborations. SMI has worked on various projects featuring Gallium Oxide (in addition to other oxides), TMDs, AlGaIn, InGaIn, BN, Compound Semiconductors, Oxides, Dielectrics, Ferroelectrics, Phase Change Chalcogenides, Fuel Cell Materials, Thin Film Batteries, Metals, and so on as well as has grown materials on a diverse set of substrates using in-house tools.

To take advantage of SMI material development or consulting services [contact us today](#) to get more information and quoted. SMI is also happy to participate in the development of proposals and budgetary quotations!

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