



**Press Release
FOR IMMEDIATE RELEASE**

Contact:
Les Weinman
Thin Film Concepts, Inc.
914-592-4700
info@thinfilmconcepts.com

Thin Film Concepts, Inc. Deposits Non-Lead Based Solders from 0.5 to 50 μm

High-quality coatings are available for passive and active substrates as well as applications such as laser heat sinks, micro-channel coolers, and solder connections.

Elmsford, NY, March 14, 2005 – Thin Film Concepts, Inc. today announced its capability to deposit non-lead based solders, including pure indium, indium-tin alloys, and indium silver alloys with +/-10% precision tolerances for prototypes and production quantities.

The coatings are deposited using induction evaporation in the company's state-of-the-art manufacturing facility. Available thicknesses range from 0.5 to 50 μm , and products can be manufactured to strict specifications. Typically, the coating is a one-step process, but devices can also be coated with materials such as Ni/Au or Pt/Au or other materials before and/or after the solder coating.

"There are very few companies with the capability to deposit Indium on large devices in production quantities, so Indium deposition is a unique capability for us," says Les Weinman, President of Thin Film Concepts, "As a result, we have been able to quickly and effectively solve problems for our customers with many unusual applications—from depositing Indium through a solder mask for high-power laser arrays to putting down large die blanket coatings."

The process is well suited for applications such as copper laser bars, AlN and BeO thin-film patterned laser heat sinks, microchannel coolers, and solder connections. A common application is to apply solder to the back of passive or active substrates so that they can be directly soldered without using pre-forms. Thin Film Concepts also offers sputtering of AuGe eutectic solder for similar applications.

About Thin Film Concepts

Headquartered in Elmsford, NY, Thin Film Concepts, Inc. specializes in custom coatings, thin film circuits, and custom fiber metallization across numerous industries, including telecommunications, fiber optics, avionics, automotive, power management, and defense. Providing R&D and process development consulting services, Thin Film Concepts is an ISO 9001:2000 company that also offers prototype and production-level manufacturing of components, including thin-film coating and sputtering services, component manufacturing, and optical fiber cable production. For more information please visit <http://www.thinfilmconcepts.com>.

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