



### **Nanolithosolution Announces Availability of First Model NanoImprint Lithography Tool.**

Carlsbad, Calif., May 4, 2007 – Nanolithosolution today announced the availability of its first model nanoimprint lithography tool, which converts a traditional photolithography aligner to a nanoimprint machine based on the nanoimprint lithography technology it licensed from HP Labs.

Nanoimprint lithography (NIL) is a method of literally stamping out nano patterns of wires less than 50 atoms wide on a substrate. HP Labs researchers have created patented NIL technology, which has enabled the fabrication of laboratory prototype circuits with wire widths of 15 nanometers – about one-third the dimension of the features in the most advanced circuits that will be commercially available this year.

Once the NIL “master” is created, copies can be stamped out quickly and inexpensively, like the process for manufacturing CDs or phonograph records. The nano patterns can then transferred to nano patterns with other materials, such as metals, semiconductors, or organic materials. Nanolithosolution, Inc. has developed a tool based on HP’s proven technology. The tool consists of a module that fits into a traditional photolithography mask aligner. The module is can be used to create arbitrary designed nano patterns for general nanomanufacturing. The tool is simple and inexpensive to use and converts commonly available photolithography mask aligners into nanometer resolution nanoimprint machines.

“By building on HP’s extensive research in nanoimprint lithography, we believe we have a tool that will enable reliable, repeatable processes for exploring biochips, photonics chips and many other applications,” said Bo Pi, chief executive officer, Nanolithosolution. “We believe this will be an extremely useful tool for academic and commercial users worldwide because it will be about a tenth the cost of current tool with equivalent functions.”

#### About Nanolithosolution

Nanolithosolution was founded by Bo Pi and Yong Chen, a UCLA professor and former member of HP Labs. It focuses on delivering a powerful yet easy to use nano lithographic solution for its customers. More information about Nanolithosolution is available at [www.nanolithosolution.com](http://www.nanolithosolution.com)

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