



PRESS RELEASE

## **NIKKO MATERIALS DEBUTS FOUR INCH ACROTEC INDIUM PHOSPHIDE WAFER**

### ***InP Capacity Doubles as Industry Demand Builds***

Nikko Materials USA, Inc., the leading supplier of consumable electronic materials such as high purity metals and wafers used in the microelectronics and communications industries, today announced it achieved positive results from initial testing of its new ACROTEC four-inch indium phosphide (InP) wafer and is in full production.

Manufactured under the ACROTEC Compound Semiconductor Materials line, the four-inch InP wafer culminates Nikko Materials' 20 years experience working with InP in both two-inch and three-inch wafers. Known for its superior materials, Nikko Materials maintains some of the strictest tolerance specifications in the industry and has advanced the surface quality of the four-inch InP wafer to exacting standards.

"InP is a difficult material to work with and production of the four-inch wafer has been a challenge, especially in polishing," said Kurt Williams, product manager for Nikko Materials USA, Inc. "We took the time to refine the quality of our four-inch wafer and the initial testing proves our timing paid off. "

Research and development on the ACROTEC four-inch InP wafer began last year as Nikko Materials saw the industry shifting from traditional materials, such as gallium arsenide (GaAs), to the next generation of fast circuits powered by InP. To meet growing demand for the four-inch InP wafer, Nikko Materials doubled its manufacturing capacity.

"With increased manufacturing capabilities, Nikko Materials is able to reproduce large yields with consistently high standards," said Williams. "By doubling our capacity, Nikko Materials is poised to meet the demand for four-inch InP wafers in both the microelectronics and telecommunications industries."

Nikko Materials USA, Inc., a recognized leader in the field of high purity metals and wafers used in the microelectronics and communications industries, offers a wide variety of sputtering targets for the manufacture of semiconductors, data storage devices and optical films. In addition to these products, Nikko Materials USA, Inc., offers ACROTEC InP and CdZnTe wafers widely used for compound semiconductor and IR sensor applications. Nikko Materials USA, Inc., operates under parent company Nikko Materials Company Ltd., a Japan Energy Corporation company headquartered in Tokyo, Japan.

Please visit [www.nikkomaterials.com](http://www.nikkomaterials.com) for more information.