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## **NanoGram Corporation and Partner Nagase & Co., Ltd. / Nagase ChemteX Expand Nanomaterial Production Capability**

*Nanoparticle Manufacturing (NPM™) system initially  
to produce optical grade materials*

**Milpitas, CA – Nov. 9, 2007** – NanoGram Corporation, a leading developer and licensor of core process technology for the manufacture of unique nanostructured materials for optical, electronic and energy applications, along with partner Nagase & Co., Ltd. / Nagase ChemteX today announced the expansion of its combined nanomaterial production capabilities serving customers worldwide.

A NanoGram Nanoparticle Manufacturing (NPM™) system was recently installed and qualified at the Nagase ChemteX Nanomaterials Center in Tatsuno, Japan. Operated at sub-atmospheric chamber pressure, the 670 ft<sup>2</sup> footprint production-scale system will enable Nagase to run a wide variety of proprietary NanoGram laser pyrolysis processes for the synthesis of advanced materials.

One such class of materials are metal oxides, which can be used as a component in a number of optical films in display applications to improve viewing experience. When such materials are dispersed into a polymer matrix, the refractive index of the resulting nanocomposite material can be raised by up to 0.3 while maintaining high transmittance and non-yellowing over time. The NPM system produces optical grade oxide nanoparticles with average diameter controllable down to 15 nanometers.

“We, along with our partner Nagase ChemteX, are delighted to be able to offer our customers increased access to our advanced materials,” said Kaoru Yaegashi, President of NanoGram KK. “NanoGram’s customers worldwide want to know that when they need materials, they will be supported. With the new NPM system operational, Nagase now has the capacity to begin addressing their requirements.”

NanoGram and Nagase first joined forces in October 2006. Both companies have since enjoyed a fruitful technical and commercial collaboration serving the global market.

“We are very pleased at how rapidly this partnership has moved forward, as the melding of Nagase’s manufacturing expertise and sales channels with NanoGram’s technology and production equipment has been seamless. This combination provides customers worldwide with a powerful resource that helps support their advanced materials needs,” said Kyoichi Zushi, Director and Managing Executive Officer of Nagase & Co., Ltd. and President of Nagase ChemteX Corporation.



**About NanoGram – [www.nanogram.com](http://www.nanogram.com)**

NanoGram Corporation develops and licenses core process technology that enables the manufacture of unique nanoscale compositions for optical, electronic and energy products. The company has developed an extensive intellectual property portfolio that is expanding the boundaries of nanomaterials technologies and enabling the development and manufacture of new generations of materials, devices, components and applications across a broad range of industries. The NanoGram KK office in Shinjuku, Tokyo supports its growing presence in Japan, while the NanoGram Korea office in Seoul serves local customers in that country. NanoGram has established a strategic development and manufacturing supply relationship with Nagase ChemteX Corporation.

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