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PicoJet targets industrial inkjet applications with cost-effective, reliable and versatile new printhead design

Hillsboro, OR, February 7, 2005 – PicoJet, Inc., a printhead design and manufacturing company founded by Hue Le, the former Director of Technology Development for Tektronix Printing and Imaging Division, today announced that it is ready to move into pilot production of a unique new piezo inkjet printhead design aimed at companies designing industrial inkjet systems.

PicoJet is now looking for partners with whom it can scale up this technology to address diverse industrial printing and fluid-jetting applications including biotech, electronics, radio frequency id (RFID) tags and others.

“Our new design avoids almost all of the problems that reduce printhead performance, making it a breakthrough for industrial printing and fluid-jetting systems,” says Ray Veillet, vice president of business development at PicoJet, Inc. “In addition, our technology lends itself to automated manufacturing which can result in a very low price, perhaps one dollar or less, per nozzle.”

The company’s new PJ-N256 printhead design uses a patented, ultrasonic bonding technology which creates a metal-to-metal bond allowing the printhead to be heated and to jet a wide range of very aggressive ink chemistries including UV-curable, oil, water, solvent, hot melt (wax) and other difficult to jet fluids. For example, in biotech applications it can act as a micro pump dispensing fluids in picoliter doses. In electronics applications it can be used to jet conductive fluids.

This innovative new printhead technology delivers a number of significant advantages. Because neither epoxy nor ceramic are used in the ink channel, the printhead is not susceptible to nozzle clogging and has the ability to jet virtually any fluid with a high level of reliability. The design is also suitable for automated assembly for extremely cost-effective manufacture and low unit pricing.

About PicoJet, Inc.

PicoJet designs and manufactures state-of-the-art piezoelectric drop-on-demand printheads. The company was founded in 1997 by Hue Le, the former Director of Technology Development for Tektronix Printing and Imaging Division, to develop a printhead that could address the specific needs of a wide range of industrial printing applications in biotechnology, drug related research, electronics/conductive fluids, RFID tags and others. The company is now ready to partner with developers of industrial printing and jetting systems and to move into pilot production. More information is available at www.picojet.com

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