



FOR IMMEDIATE RELEASE

June 30, 2008

MICROMEM SHIPS FIRST PRODUCTION LEVEL HALL SENSORS FOR CLIENT TESTING

TORONTO, ONTARIO, June 30, 2008 – Micromem Technologies Inc. [OTC BB: MMTIF] is pleased to announce the first production level shipments of its patented magnetic sensor which is based on the Hall Effect. The sensors have been produced in traditional package configuration and are being distributed to key clients for field evaluation. This is an integral component of the company's MRAM product line.

Micromem recently completed a 4-way evaluation using competitive hall sensors. During this evaluation the company's device produced superior results in the areas of sensitivity, lower power requirements and consistent and linear performance of Hall Voltage versus Magnetic flux density in the targeted temperature range.

Micromem is focused on the design of nanotechnology arrays of micron-sized magnetic sensors on a single chip that will be used to detect very small magnetic fields with very high spatial resolution. The company's patented sensor technology includes a memory component that allows for frequency tuned pattern recognition of very small magnetic fields. In addition it can detect changes in magnetic fields that are associated with magnetic biosensors, non-destructive test, inspection and evaluation and for other medical and homeland security applications.

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Listing: NASD OTC-Bulletin Board - Symbol: "MMTIF"

Shares issued: 79,661,879

SEC File No: 0-26005

About Micromem Technologies Inc.

Micromem Technologies, Inc. (www.micromeminc.com) is focused on the development of magnetic random access memory (MRAM) and sensor technology.

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