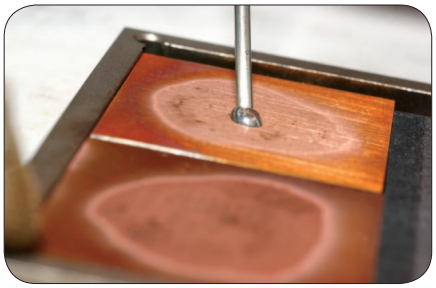
THE Ames Laboratory

Creating Materials & Energy Solutions

A Technology Transfer Giant

Ames Laboratory, the smallest in terms of funding of the Department of Energy's national laboratories, creates a big footprint in technology transfer:

- Ames Laboratory's technology formed the basis for 24 Iowa start-up companies including:
  - New Tech Ceramics (BAM)
  - Combisep (now part of Advanced Analytical Technologies) (MCE)
  - Integrated Sensor Technologies, Inc. (OLEDs)
  - Mtec Photoacoustics, Inc.
- Has returned approximately $3M back to the U.S. Treasury
- Ranked first in the national laboratory system in earned royalty income in 2007, which is income derived from sales.
- In 2009, new research agreements with industrial and other federal agency partners will contribute an estimated $7.3 million in funding for Ames Laboratory.
- Lead-free solder, the Laboratory's most successful technology to date, is licensed to more than 60 companies worldwide and contributes to the reduction of lead in landfills and the groundwater.
- Ranked in the top three of the national laboratories in royalty income.
- Technology transfer has helped Ames Lab's contractor, Iowa State University, become a "licensing powerhouse" in a report prepared by Innovation Associates, Inc.



Lead-free solder

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Specialized Research Center

The Materials Preparation Center is a specialized research center managed by DOE's Office of Basic Energy Sciences that provides advanced materials to industry, university and government research centers. The MPC is recognized throughout the world's research community for its unique capabilities in the preparation, purification, and characterization of rare-earth, alkaline-earth and refractory metal materials.

Licensing

Ames Laboratory has a portfolio of technologies available for licensing. As Ames Lab's Intellectual Property rights may be retained by Iowa State University, under a contractual mechanism known as privately funded technology transfer, ISU performs patenting and licensing activities on behalf of Ames Laboratory. Through our technology transfer mechanisms, we can provide additional support to the licensee to help further the technology, or to possibly find new applications for a licensed technology. A list of available technologies may be found at www.techtransfer.iastate.edu/

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Non-DOE funded research

Whether it's finding new materials, processes, applications or the need for specialized analysis of existing materials, Ames Laboratory can utilize its unique capabilities to assist both the public and private sectors. Ames Laboratory can and does enter into non-disclosure agreements, material transfer agreements and beta-testing agreements with various entities. We are also happy to partner with small businesses to respond to SBIR and STTR call for proposals, large businesses, universities and other National Laboratories on other types of proposal calls, and with industry on 100% funds-in projects. There are two main mechanisms for performing non-federally funded research: the Co-operative Research and Development Agreement, or CRADA, or the Work for Others Agreement, which give industry access to our unique facilities, equipment and knowledge.