

CRADA OPPORTUNITY

TITLE: Throughput Device for Sorting Grains

Objective: ARS is looking for a commercial partner to assist with development of an innovative high-throughput sorting device that can manage several tons per hour. Other applications may include detecting scab-damaged wheat, fungal-infected corn, and estimating germ size of corn kernels.

Overview:

Researchers at the Grain Marketing and Production Research Center in Manhattan, KS have developed a system that inspects and sorts wheat samples and other grains. The technology is capable of detecting analytical properties such as protein content, scab damage and fusarium head blight in wheat grains, or the sugar content, oil content and starch content in corn grains. The current system is suitable for small-scale operations and is an economical and useful instrument for sorting wheat and other grains with high accuracy.

Related Technology: N/A

Industry Type: Food Processing

Where: Manhattan, Kansas

Laboratory Mission:

The Grain Marketing and Production Research Center develops new lines of wheat that have unique traits that solve problems of national scope such as more disease resistance, higher tolerance for stressful growing conditions, and better qualities for tasks such as baking to meet domestic demand and create markets internationally for U.S. wheat. The Center also develops new technologies to improve the storage of grain. This work helps ensure that consumers will always have high quality U.S. wheat products at economical prices and reduces the environmental stresses that wheat production puts on our natural resources.

If your company is interested in learning more about this opportunity, please contact our regional technology transfer coordinator **by March 25, 2011**.

Contact Person:

For More Information Contact:
Bryan Kaphammer, Ph.D.
Technology Transfer Coordinator
USDA-ARS
2150 Centre Avenue, Building D
Fort Collins, CO 80526
Phone: 970-492-7028
Email: Bryan.Kaphammer@ars.usda.gov