

Material Handling Research Center (MHRC)

Georgia Tech University

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Selected Accomplishments

MHRC-developed technologies have resulted in a pattern of substantial cost savings for the Center's industrial sponsors. Selected accomplishments by the MHRC include:

- 1) Assisting a major electronics manufacturing firm in redesigning its material acquisition operation, which resulted in a reduction of Work-in-Process (WIP) inventory by \$100 million while reducing staffing requirements by \$3 million annually;
- 2) Developing quantitative design software used by a major military avionics firm to save \$400,000. The firm used the software to review an AS/RS system acquisition designed by traditional methods. The software revealed that the equipment was significantly over-designed, and;
- 3) Developing algorithms to allocate and slot electronic chips on automatic insertion equipment, which resulted in productivity increases of more than \$1 million monthly for a major electronics manufacturer.

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