

GARY GREWAL

EDUCATION

- M.S. Michigan State University, East Lansing, MI
Packaging, Thesis: Performance Comparison of Plastic and Wood Pallets for Static and Dynamic Tests, 1994.
- B.S. Punjab Agricultural University, Ludhiana, India
Chemistry

PROFESSIONAL EXPERIENCE

- 07/2005 - present **CONSULTANT**, Packaging Research Associates, East Lansing, MI.
- 10/2003 – 07/2005 **PROJECT ENGINEER**, General Motors, Pontiac, MI.
- 01/1993 - 09/2003 **PACKAGING ENGINEER**, Venture Industries, Fraser, MI.
- 07/1996 - 10/2002 **PACKAGING ENGINEER**, Material Handling System, Rochester Hills, MI
- 01/1995 - 06/1996 **PACKAGING ENGINEER**, Ford Motor Company, Dearborn, MI
- 09/1993 - 12/1994 **RESEARCH ASSISTANT**, School Of Packaging, MSU, East Lansing, MI
- 03/1989 – 08/1993 **PACKAGING ENGINEER**, General Motors, Flint, MI

PROFESSIONAL EXPERIENCE

PACKAGING RESEARCH ASSOCIATES, EAST LANSING, MI,
Responsible for new package evaluation, testing services, design of experiments, recommendations on new test methods and evaluations. Projects include automotive, food, hazardous materials packaging pharmaceutical and packaging materials supplier.

GENERAL MOTORS, PONTIAC, MI

Handled automotive packaging and material handling assignments and coordinated projects to meet deadlines and targets. Plant specific production requirements as they related to planning projects for reducing down time. Developed project cost estimates and project time lines. Responsible for preparing project bid specifications. Tracked spending on assigned projects and was responsible for holding project to capital spending limits without sacrificing project quality, operational performance and time lines. Created and implemented project database allowing for accurate project history, timeline and creation of purchase requisition significantly improving accuracy and turnaround time. Designed and developed packaging containers for current and future operations. Worked with plants as well as with part suppliers and fabricators..

VENTURE INDUSTRIES, FRASER, MI

Initiated and maintained part and project information including specifications, drawings and quotations. Developed a database system to track containers, cost, quotes/proposals, packaging issues, project timelines. New returnable package design and development (racks, containers and dunnage) for General Motors and Ford Motor Company. Corrugated container design and development for back up containers.

MATERIAL HANDLING SYSTEMS, ROCHESTER HILLS, MI

Developed container design and maintained project information. Interfaced with Product Engineering, Ergonomics, Quality, and Assembly operations in the plant, Stamping plant and external suppliers to standardize packaging design and facilitate packaging to better utilize equipment efficiencies Monitored and supervised all work performed on assigned projects.

FORD MOTOR COMPANY, DEARBORN, MI

Container and dunnage design and development . Project implementation and management. Developed test protocol for returnable rack testing utilizing multiple axis vibration system and Horizontal Impact Tester. Shock and Vibration data acquisition of shipping environments.

SCHOOL OF PACKAGING, MICHIGAN STATE UNIVERSITY, E. LANSING, MI

Distribution Packaging projects. Measurement and analysis of vibration levels in truck and rail shipments for Ford Motor Company. Packaging research projects for General.Motors, Chevron, Bissel, United Parcel Service, Procter & Gamble, Snapple, Wyeth-Ayerst and Campbell soup Co.

GENERAL MOTORS, FLINT, MICHIGAN

Responsibilities included design, test and procure returnable packaging including dunnage, racks and containers for three General Motors plants in line with containerization and Just In Time manufacturing strategies. Coordinated the implementation of new packaging systems.

PROFESSIONAL SOCIETIES AND PARTICIPATION

American Society of Testing and Materials

Institute of Packaging Professionals

National Institute of Packaging Handling and Logistics Engineers