



### Packaging Solutions

- Packaging System Design
- System Integration
- Procurement
- Program Management
- Packaging Automation
- Information Management

### Industry Sectors

- Beverage
- Dairy
- Food
- Household & Personal Care
- Life Sciences
- Industrial

### Packaging System Design

- Feasibility & Engineering Studies
- Master Planning
- New Package Rollouts
- Interface Engineering
- Capacity Analysis
- Equipment Specification & Procurement
- System Performance Analysis
- Simulation
- 3D System Design
- Accumulation Recovery
- Training Coordination
- 3D Laser Scanning
- Control System Programming
- MES / HMI / SCADA
- Control Panel Design

# Packaging Solutions

Design Group is a premier supplier of system integration for high performance filling and packaging line solutions for the Beverage, Food, Home and Personal Care, Life Sciences, and Light-Industrial sectors. For over 30 years Design Group has delivered successful packaging automation solutions to the industry's leading companies.

Our experience encompasses container manufacturing, primary package handling, filling, labeling, inspection, secondary packaging, and information collection and management systems.

We provide complete turnkey production systems and line upgrades as well as experienced professionals to complement the client's project team. Design Group solutions combine broad packaging system experience together with recognized best practices and industry-leading technologies to ensure the successful design, integration and implementation of customized packaging solutions.

Design Group delivers against the most challenging and fast tracked packaging applications with engineering services that include:

- Master Planning
- Efficiency Improvement
- Packaging System Design
- Systems Integration
- Turn-Key Solutions
- Industrial Automation
- Project Management
- New Package Rollouts
- Project Support Services
- Site Implementation

## Beverage

Design Group delivers extensive experience in the design and implementation of beverage line solutions across a wide-range of containers and applications at rates from 50 to 1200 cpm:

- Glass
- PET
- HDPE
- Aluminum Bottles & Cans
- Pouches
- Carbonated Drinks
- Water
- Wine
- Beer
- Distilled Spirits
- Juices
- Dairy
- Aseptic
- ESL
- 3A
- Intrinsically Safe
- Cold-fill
- Hot-fill
- Pasteurized
- Retorted

## Food

Food Packaging solutions require an understanding of the product, the package, and the production environment. We apply our in-house packaging, processing, facility, and utility experience to implement packaging solutions that seamlessly integrate with the production process and facility.

Design Group provides over 20 years of Food industry experience packaging a variety of products, processes and applications: Snack Foods, Baked Goods, Dry Ingredients Handling, Coffee, Tea, Powders, Chocolates, Confections, Sauces, Dressings, Vegetable Processing, Soups, Jelly and Jam.

## Home and Personal Care Products

Design Group provides engineering services for the design and implementation of packaging solutions for a wide variety of home, personal care and household products including: Shampoos, Conditioners, Body Wash, Cosmetics, Lotions, Deodorant, Body Spray, Toothpaste, Soap (bar and liquid), Detergents, Household Cleaners, Aerosols, and Air Fresheners.

## Life Sciences

Design Group delivers integrated turnkey solid dosage lines for major pharmaceutical manufacturers on expedited schedules. Typical projects include OEM equipment specification and procurement, off-site integration and pre-qualification, installation, training, startup, and validation.



Barry-Wehmiller Design Group, Inc., operates from over 35 offices across the U.S. and Puerto Rico. Design Group employs over 1000 engineers, project managers, and other technical specialists, providing a broad range of services, including packaging automation, process engineering, facility design services, utility system engineering, software engineering, compliance and quality services, construction management, and design/fabrication of electrical control systems. The firm's stated mission is to provide "Total Operational Solutions for Industry."