



HEADWATERS

ENGINEERING + CONSULTING

PACKAGING & INTEGRATION

APPLICATIONS



- **Food**
 - **Dairy:** Cheese, Yogurt, Ice Cream, Cultured Milk Products, 3A
 - **Dry:** Coffee, Tea, Powders, Seasonings, Ingredients
 - **Confections & Chocolate**
 - **Viscous:** Sauce, Dressing, Soups, Jelly, Jam
 - **Bars & Baked:** Snack Bars, Roll-Ups, Pastry, Buns



- **Beverage**
 - **Carbonated:** Soda, Beer, Seltzer, Others
 - **Non-Carbonated:** Water, Juice, Wine, Distilled Spirits, Dairy / 3A, Fluid & Flavored Milk
 - **Processed:** Aseptic, Extended Shelf Life, Intrinsically Safe, Cold Fill, Hot Fill, Pasteurized, Retorted, Nitrogen Flushed



- **Home & Personal Care**
 - **Fluid:** Shampoo, Conditioner, Body Wash / Spray, Lotions, Soap
 - **Solids / Powders:** Deodorant, Cosmetics, Soap
 - **Others:** Toothpaste, Detergents, Household Cleaners, Aerosols, Air Fresheners



DOING THINGS RIGHT.

SAFETY IS HEADWATERS' NUMBER ONE PRIORITY.

Our main focus is ensuring the health and safety of everyone who works on a Headwaters project. We are committed to protecting the quality of life of everyone on the job site, creating safe designs for your employees after completion, and identify and applying all regulations, codes, and rules early.

CAPABILITIES



PACKAGING DESIGN & INTEGRATION

- Packaging line design & layouts
- Equipment specifications, comparisons, & selection
- Line automation, integration, & robotics
- Factory & site acceptance testing support
- Line efficiency studies & upgrades
- Packaging line modifications & relocations

CONFIGURATIONS

- **Flexible Packaging** - Flow Wrapping, Pouching, HFFS, VFFS, FFS
- **Rigid Packaging** - Canister, Tubs, Gable Top
 - **Glass:** Round / Non-Round, Reverse Taper, Embossed
 - **PET:** Light Weight, Barrier, Round / Non-Round
 - **Aluminum:** Cans & Bottles
 - **HDPE:** Round / Non-round
- **Secondary Packaging** – Cartons, Club Store Packs, Variety Packs
- **Specialty Packaging** – Puck Handling, Odd Shapes Unique Cartons & Cases, In-Line Decoration, Pumps & Spray Caps, Pressurized Contents

TECHNOLOGY

- **Depalletizing** - Bulk or Cased
- **Conveyance** – Air, Table, Cable, Bags, Flow Wrap, Case - Zero/Low Pressure, Sanitary, ARB, Sorting, Pucks
- **Bulk** - 25Kg, Super-Sacks, Totes, WIP
- **Conditioning** - Pasteurizers, Coolers, Warmers, Settlers, Chillers, Freezers
- **Accumulation** - In-Line, Mass, FIFO, Zero-Pressure, Off-Line
- **Bottle Manufacturing** – PET, HDPE
- **Labeling** - Shrink/ROSO, Sleeve, Roll-Fed, Pressure Sensitive
- **Marking & Tracking** - Laser, Ink-Jet, Print & Apply, Bar Coding, Serialization
- **Inspection & Rejection** - X-ray, Gamma, Vision, Weight
- **Secondary Packaging** - 'Club Packs', Tray, Tray-Shrink, Bundles, Bliss
- **Robotics & Cobots** - Depalletizing, Palletizing, Case Packing, Material Handling, Sorting

START THE CONVERSATION

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