

Food & Pet Food **SOLUTIONS**



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Food and Pet Food Processing Solutions with Innovation Baked Right In

At Horizon Systems, we’re constantly looking for new and better ways to solve our customers’ challenges. For over 40 years, our experts have been keeping up with consumer trends, government regulations and quality demands to develop risk-appropriate sanitary food and pet food processing systems that can grow and evolve to fit your business’ needs.

Food Sectors We Serve:

- | | |
|---------------------------|----------------------|
| Confectionery & Chocolate | Cookies & Crackers |
| Bakery | Tortillas |
| Dry Blends | Coffee & Tea |
| Cereal & Snack Bars | Seeds, Nuts & Grains |

Pet Food Sectors We Serve:

- | | |
|--------|--------|
| Kibble | Treats |
| Premix | Canned |

Engineering Starts Every Conversation

We custom engineer and manufacture every material handling system to fit your exact needs. Our unique approach allows us to seamlessly integrate equipment in ways guaranteed to perform to your precise specifications.

When you start a project with us, we’ll assign a dedicated project manager to oversee the design, install and startup of your system – coordinating with our mechanical, electrical, structural and automation experts throughout the process. Whether you’re in need of a custom component, starting a system from scratch, or modifying and upgrading an established production facility, you can trust our engineers to deliver the reliable results you and your customers demand.



Industry-Specific Solutions That Deliver Real Results

Customers continue to demand an increasing number of premium offerings. For producers, that comes with challenges like working with a wider range of recipes and incorporating a larger variety of ingredients into your process – all while infusing industry standards for sanitation and safety. Our flexible solutions are designed to help you efficiently manage various sizes of batches and make it easy to switch between recipes, as well as protect both your workers and your customers.



Ingredient Management

Our flexible approach to ingredient management provides both accuracy and flexibility for your process. In processes that require many ingredients, batch blending is the most appropriate option as it often reduces the amount of equipment needed for the process. These systems provide the flexibility you need when your process involves lower production rates, intermittent production or frequent switches between recipes.

Weigh and convey systems are equally adept at managing a wide range of batch sizes. Because they rely on the process flow to determine weigh and feed points, Horizon Systems can position multiple feeders in-line or radially to produce a complete multi-ingredient weighing and conveying system.



Transfer

For food and pet food, avoiding product degradation and minimizing fines are key to producing a quality product and maximizing profits. We rely on our proprietary ConTran® continuous dense phase transfer technology when crushing or impact could negatively affect your ingredients. ConTran uses a vacuum-throttling valve that accurately maintains a constant ratio of material-to-air mass flow. As a result, the system minimizes breakage – all while using less energy compared to other transfer technologies.



Storage

When your process requires multiple ingredients, how you store and access those ingredients can make all the difference. Our stackable and movable Rigid Intermediate Bulk Containers (RIBCs) allow you to maximize the number of ingredients you're able to properly store in your available footprint. Convenient loading stations integrate bulk bag dischargers and small bag dumps to make it easy to transfer materials into RIBCs for storage or as an access point in production.



Automation

Managing ingredients for multiple products and recipes is a balancing act. Taking a matrix-based approach into your process helps us design flexibility into your production, minimize the amount of equipment you need to produce your product and allow easy recipe changeovers.

Our intuitive batching software makes it easy to create recipes and sequences that utilize a wide range of ingredient sources while ensuring accurate, repeatable recipe recreation time and time again. Automated inventory control and lot tracking programs can integrate radio frequency identification (RFID) tags, barcodes or QR codes into new or existing inventory systems to help with employee accuracy and to reduce the possibility of producing a bad batch.

Comprehensive End-to-End Expertise That Works For You

Whether you are looking to build an entirely new process system, make your existing system more efficient or ensure your machines keep running at peak performance, you can trust the Horizon Systems team to provide the expertise and service you need.

Horizon Systems Technology Center

Our Technology Center is a state-of-the-art facility where we conduct research and develop equipment to continually deliver new innovations and support our engineering initiatives. Our experts can run testing for both small- and large-scale material handling systems and components, analyzing densities, velocities, repose angles and more.

Services Offered:

- ◇ Innovation and Testing
- ◇ Engineering
- ◇ Automation
- ◇ Custom Manufacturing and Machining
- ◇ System Installation
- ◇ Commissioning and Start Up
- ◇ Field and Aftermarket Support

Field and Aftermarket Services

Our Field and Aftermarket Services are here to provide you with easy ordering of replacement parts and components, as well as component and system rebuilds and other service requests. You can trust our Service Solutions team to make sure you have what you need to keep your system running for as long as possible. We can even help you develop a recommended list of spare parts to keep in inventory.



Horizon Partner Pledge

At Horizon Systems, we are true partners to our clients. That means committing to delivering the best possible solution to their needs, and finishing what we start. We stand behind the products and solutions we deliver, and ensure those systems continue operating at peak performance for as long as possible.

