



Crescent Systems, Inc.

- Snack Foods*
- Frozen Fruits and Vegetables*
- Dehydrated Fruits and Vegetables*
- Potato Flakes*
- Seafood*
- Material Handling Systems*
- Packaging Systems*
- Seasoning Systems*
- Blending Systems*
- Automation and Controls*
- Research and Development*



FOOD PROCESSING SYSTEMS CONSULTANTS

Crescent Systems, Inc., CSI, is a consulting company specializing in the food processing and packaging industries. The projects may range from a one day consultation to a complete turn-key undertaking involving a complete processing plant. We understand the requirements for processing and packaging and therefore are capable of designing and providing systems that are appropriate and efficient for applications within these industries. The following is a list of services and products offered by CSI.

SERVICES:

Design of complete Lines: This service involves providing design, layout, procurement, installation, and start-up assistance, and training. The following are examples of the lines offered:

- Snack Food Lines including Potato Chips, Corn Chips, Extruded Snacks, and other related products.
- Frozen French Fry, Hash Brown, and Formed Potato By-Products.
- Vegetable and Fruit Freezing, Canning, and Dehydration.
- Potato Flakes and Dehydrated Potatoes.
- Pop Corn processing and packaging lines.
- Beef Jerky and Smoked Meats.
- Cheese Processing Lines.
- Coffee and Tea Lines.
- Used equipment and incorporation of used and new equipment for maximizing affordability.

Plant design: Working in conjunction with our engineering associates we can offer site evaluation, building design, and construction.

Control Systems: We evaluate customer's electrical and controls requirements and design electrical controls to operate lines designed by us. Our controls are UL listed and include PLCs and OITs per customer requirements.

Research and Development: This service involves feasibility study, evaluation and improvement of existing equipment and process, finding a certain product and equipment, and similar projects involving elements of electrical, mechanical, and other branches of engineering.

PRODUCTS:

Processing / Packaging Equipment: As a result of our complete line design we will have specified the equipment. This equipment can be provided by CSI, new or used, as required by the application. We can provide the equipment and coordinate its installation, start-up, and training.

Control Panels: The control systems designed by CSI can be manufactured in a UL approved shop. CSI will work with these shops to manufacture the panels, test both hardware and software prior to shipping.

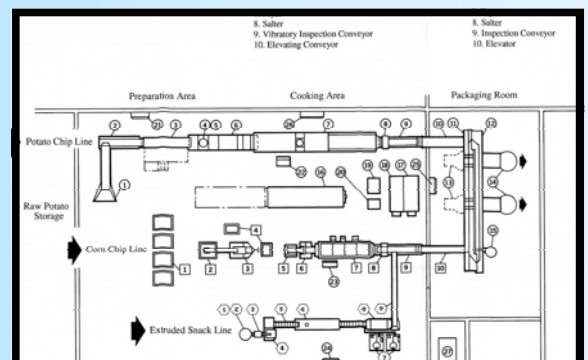
Developed Equipment: New equipment designed by CSI may be manufactured by us or by vendors of ours or our customer's choice under our supervision. This will enable us to oversee its manufacture, check during various phases of manufacture, test during and after completion, and provide start-up and training assistance as a service.

CSI will keep our customer's interest in mind at all times and be sure to provide the best for their budgeted dollar. Our products and services are meant to complement and support the customer's own resources, not to replace them. In doing so we will truly be of value to our customers.

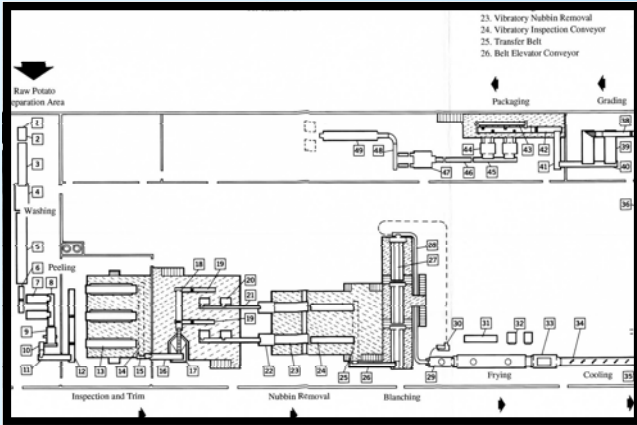
Typical Processing and Packaging Lines



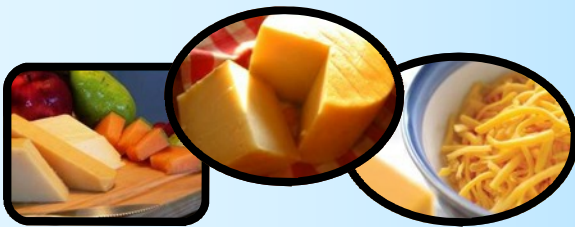
Combination Snack Food Line including Potato Chips, Corn Chips, and Extruded Snacks. Capacities may vary from 150 Lbs./Hr. to 5000 Lbs./Hr. Maximizing manual operation or complete automation as required by the particular circumstances.



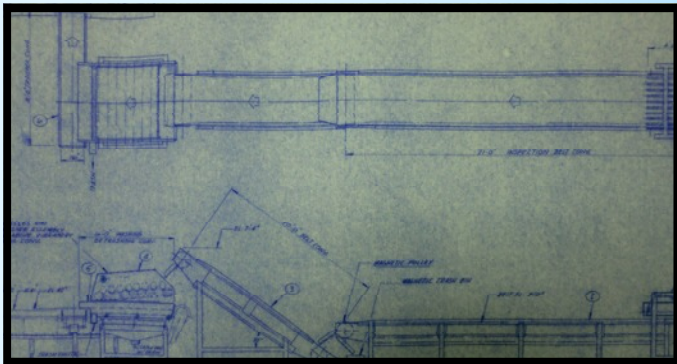
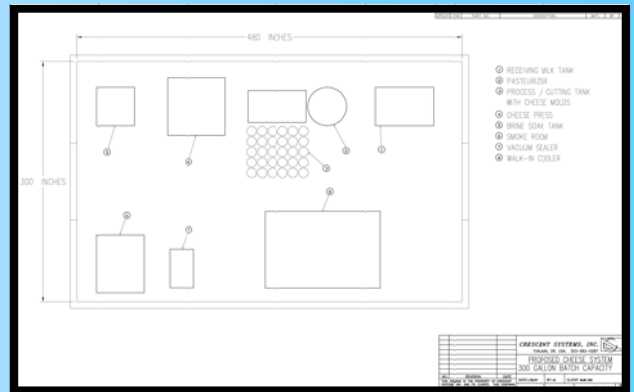
Typical Processing and Packaging Lines



Frozen French Fry and Multi-Vegetable and Fruit Freezing Lines. Line may be designed to process multiple products while using some of the common equipment. Line size may be designed from 1000 to 0000 Lbs./Hr.



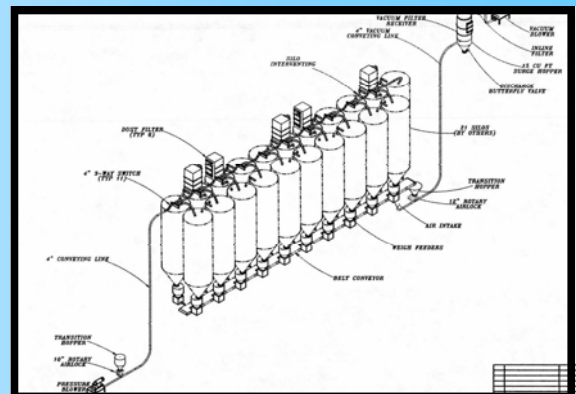
Small to medium Cheese plants may be designed to fulfill local requirements. Source of goat or cow milk is required as is supply of clean water. We can do a study on existing conditions and offer a proposal to suit.



Date processing line including cleaning, washing, sorting, size grading, rehydration, and packaging. Combination of Vibratory Feeders and Belt Conveyors have been applied for various unit operations. We can design, engineer, manufacture, and install various size lines depending upon the application



This line was designed to blend different types of coffee beans for special blends as required by different customers. Recipes may be entered via touch screen to automatically and accurately weigh each type of bean as dictated by the requirement. We may design small or large systems as needed.



CSI is dedicated to providing consulting services to the food processing and packaging industries. We have many years of experience in the food processing industry specializing in weighing, packaging feed systems, Industrial Automation, and complete food processing in the US and overseas. In view of the need to provide comprehensive services to the food industry we have formed alliances with world class experts in their field of specialization. In cooperation with our joint venture partners and with our associates, we can offer the latest and most appropriate technology at a reasonable cost.

Our manufacturing partners have state of the art equipment to fabricate equipment designed by us. Our trained personnel are able to support our customers from design phase to manufacturing, installation, training, and service.

We have several patents in material handling and processing fields. The following pictures show some of the equipment designed, manufactured, and installed by us.



Magna Weigh (Patented)



Frozen Vegetable Blending System (Patented)



Magna Weigh (Patented)



Bag Filler



Screening Conveyor



Surimi (Seafood Product) Filling System



Vibratory Transfer Conveyor for Frozen Potato Products



Control Panel

We have designed manufactured and installed Snack Food Frozen Vegetable and Fruits Potato Flakes French Fries and Seafood plants. In addition Material Handling Control Systems Product Storage Grading Automatic quality Inspection weighing and Packaging System are also areas of our expertise. We are eager to discuss your specific requirements. We assure you professionalism, objectivity, confidentiality and the best value in products and services.



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