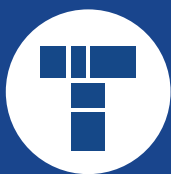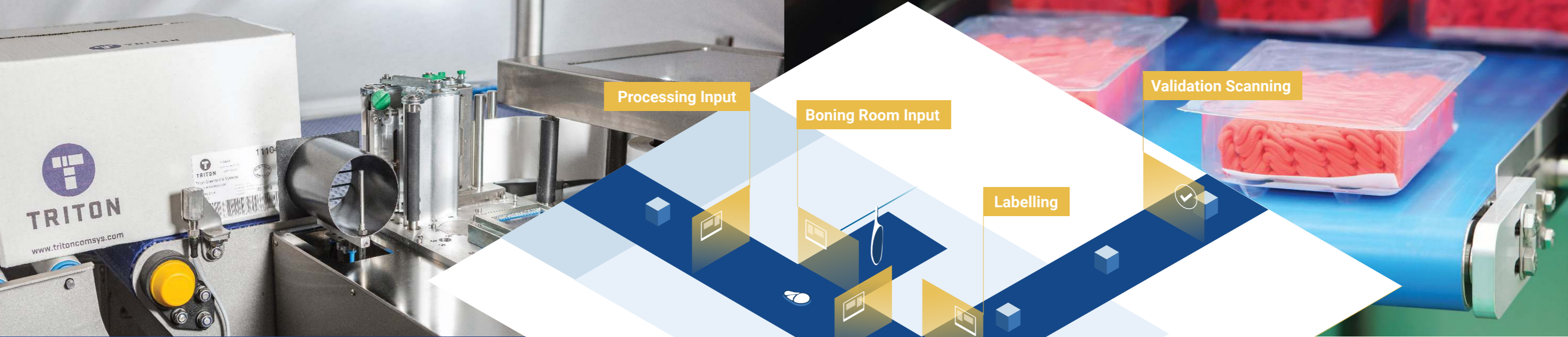# Boning, Packing & Automation

Highly configurable and flexible labelling, & yeild management solution that allows plants to automatically control quality and optimise production yield based on vast product data fields.

TRITON
— Est. 1984 —

tritoncomsys.com

Secondary Processing

Triton's Boning, Packing & Automation modules provide an all-encompassing, centralised platform to eliminate the need for multiple overlapping systems.

The diagram shows: Processing Input, Boning Room Input, Validation Scanning, Labelling, Yield Management.

Into Bone

Seamlessly Track Carcase Characteristics to Optimise Yield

Into Bone captures carcase characteristics from the slaughter process. Details include unique identity, carcase grade characteristics and hot weight along with cold weight into the boning room, enabling you to automatically match boning specification to output. The result is seamless yield reporting by cutting specification, boning group, or any other measure needed.

✓ Easily trace each animal back to its source via RFID or 2D enabled skid/gambrel

✓ Create greater efficiencies through automation of chillers and carcase handling

✓ Reduce labour and benefit from better yield recovery analysis

Auto Weigh Label Systems

Saves Labour Units While Increasing Throughput

This flexible, intuitive module allows plants to set up a fully automated process that's also precisely designed to catch products outside specification so managers and packers can resolve issues quickly. Triton's range of belt and catch weighers work with a separation conveyor to provide accurate weight measures on the fly, with accurate label print and consistent application at fast speeds.

✓ Improves processing flows by improving ability to clear production peaks

✓ Provides integration with multiple devices, e.g. X-ray, metal detector, carton erectors

✓ Fast payback with decreasing dependency on shrinking labour pool

Destination & Validation Manager

Reliable Automation to Reduce Customer Complaints and Investigations

Destination & Validation Manager controls the path and validation of every carton at every step as it leaves the packing area. It ensures every carton has a readable barcode with correct lid, that accurate foreign matter and fat analysis screening is complete, and product reaches its correct destination. Destination Manager reads the product code to direct the carton along the conveyor to sort cartons onto the correct conveyor line or freezer.

✓ Reduces claims for wrong product

✓ Ensures only genuine cartons are in the inventory system

✓ Carton value is maintained thanks to correct sorting and storing

Pack & Carton Manager

Centralised Control of Production Labelling and Quality Assurance

Pack and Carton Manager records and labels cuts, trays, bulk cartons, catch weight cartons and bulk bins, supporting all market and regulatory requirements of retail, food service and export markets. Supplied to fit your specific plant requirements, it can be easily modified to fulfil almost any situation.

✓ Covers all production, weigh label and recording requirements in one powerful solution

✓ Satisfies export, domestic & retail- ready market requirements

✓ Hand or full automatic single panel or wrap label solutions with metal detection, weigh, rejection, apply and totalise options

✓ Semi and fully automated solutions ensure consistent label placement with product variable data in one single pass

✓ Premium direct thermal or transfer adhesive stock

✓ Improves production floor efficiency through fully customisable solutions that fit your operations

Secondary Processing

Input raw materials into the production process relevant to any food processor, capture multiple characteristics to enable seamless input by production specification against recorded (labelled) outputs for production yield. Ensures product is labelled correctly for market and regulatory compliance. Advanced live boning and trimming real time yield for meat processors.

Modules

Into Bone

Productivity & Yield

Pack & Carton

Auto Weigh Label

Destination & Validation

Secondary Processing modules work as a stand alone solution or can connect seamlessly to FUSION for Processing Intelligence

FUSION
Processing Intelligence

FUSION is Triton's central management platform that has been designed from the ground up to fuse processing software modules and data together. Food Processors face challenges from a variety of sources such as the need to combine data from multiple parts of operations, requirements for end to end traceability, multiple site integration, offsite storage, big data analysis and much more. FUSION was borne to solve these needs and more. FUSION provides a single point of access and control to software systems and brings together multiple software modules from a single site, to multiple sites, into one easy accessible platform.

FUSION supports many centralised, distributed control functions (e.g. specifications, orders, group inventory and production, and more) in a modern, accessible platform that communicates to distributed plant production systems. FUSION also provides carton accurate traceability and smart logic actions for contamination or defect issues during the production process. Utilising the latest web technology (HTML5), FUSION is accessible enterprise wide from production plants, other company offices, or offsite; and from workstations, tablets or smartphones.

FUSION makes data more accessible and presented smarter in customised, graphical forms that provide advanced, real time business intelligence. Our clients and their managers need real-time information at their finger-tips, on their smartphones, or on the plant floor, to remain in touch with what's going on in their business. They also require a flexible platform that allows customisable and unique presentation of data, specific to their needs. These are all FUSION's greatest strengths.

With simple, accessible licensing options, FUSION is readily accessible for single site operators, through to large multi site enterprise customers.

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