

more

It's who we are.

CASE & TRAY
PACKERS

SHRINK
WRAPPERS

CARTONERS

SLEEVES

PALLETIZERS

DOUGLAS

EMPLOYEE OWNED, CUSTOMER DRIVEN.

At Douglas, we put
more behind your brands.

Pride of ownership

It's our way of ensuring that nobody works harder to give you more.

As a 100% employee-owned company, we take personal pride in designing, building and supporting the world's best packaging machines. This vision unites us as a team every day, and is the cornerstone of our customer-driven culture.

From each of our over 700 employee owners, we welcome and appreciate the opportunity to serve you.

Our Commitment

We take nothing for granted in our efforts to create solutions and provide services that enrich the lives of everyone we serve. In a world with infinite choices, we strive to rise above in ways that matter most.

Our Mission

To enrich lives by providing differentiated packaging automation and services.

Our Values

The core of our values is an abiding respect for Biblically-based business principles. To us this means conducting business in a manner that is legal, ethical, moral and healthy to the faith-based spiritual life of every employee owner, customer, supplier and competitor.

- **Unwavering Integrity**

We refuse to compromise our ethics and high professional standards in order to achieve desired outcomes.

- **Servant's Heart**

We possess a never-ending desire to serve and support others.

- **Ownership Spirit**

Our passion for employee ownership is demonstrated in everything we do.

- **Continuous Innovation & Improvement**

We challenge the status quo and strive for excellence in all our work.

In every aspect of your relationship with us, you will experience 100% commitment to a partnership that ensures your brand is represented with quality, integrity and pride.



EMPLOYEE OWNED. CUSTOMER DRIVEN.

DOUGLAS

Horizontal Load Case & Tray Packing

Combining the science of speed with the art of precise product control



For mid to high-speed case and tray packing applications, horizontal load solutions often provide efficiencies and speeds not attainable with other packing methods. At Douglas, we understand that efficient automation at this level

requires innovative design and precise control. We continually strive to develop and apply the most effective technology to control your product and packaging materials, delivering consistent operation shift after shift.



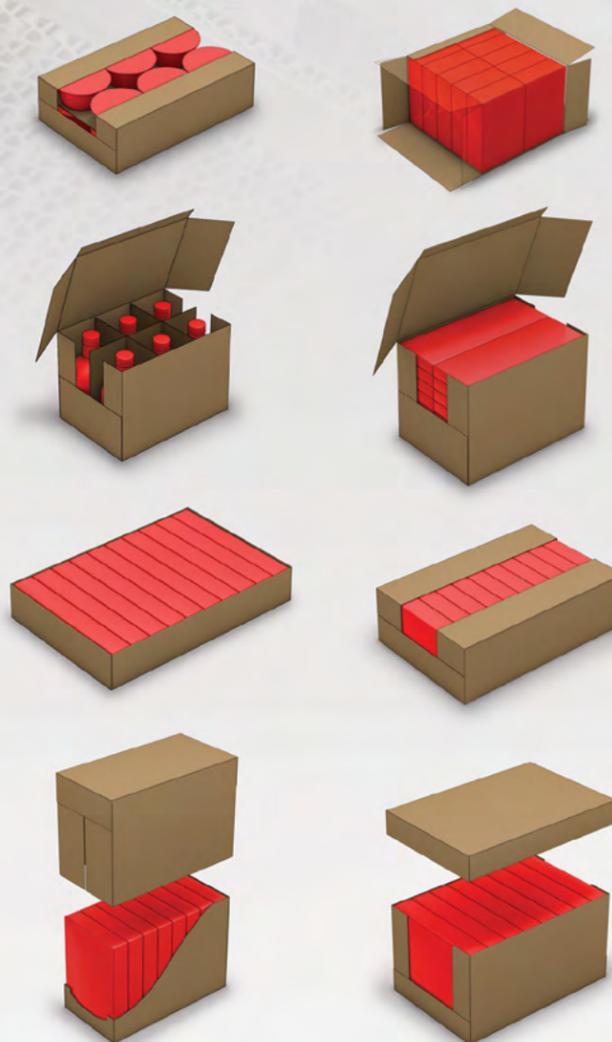
Intermittent Motion

- Greater utilization through precise and repeatable changeovers
- Case forming and sealing systems engineered to produce optimal package quality
- Sanitary construction options to meet environmental and cleaning requirements
- Precise and repeatable machine motions - velocity, speed and position control
- Engineered and proven product handling, collation and loading technology
- More speed, more control, more efficiency, more flexibility

Invex® IM: Unprecedented efficiency and economy. The Invex IM blends the perfect combination of technology and design to achieve high performance for mid-range case packing applications.

Axiom® IM: Maximum performance. The Axiom IM offers industry leading speed and efficiency, and is extremely adaptable to meet the most demanding applications.

Horizontal load packages



Continuous Motion

- Flexibility for high-speed food and beverage applications
- Automatic partition inserting for bottle applications
- High-speed product handling and grouping systems
- Continuous motion case forming, compression and sealing

Axiom® DL: Compact continuous motion performance. The Axiom DL uses inline product flow and direct product loading into the case.

Axiom® ARC: High-speed continuous motion case and tray packing. The loading system of the Axiom ARC is truly unique in the marketplace, providing the ultimate product control and efficiency at industry leading speeds.



Axiom DL

Top or Bottom Load Case & Tray Packing

Innovative loading solutions accommodate a wide variety of unique package designs

Top Load Case & Tray Packing

Our top loading and product collation technologies ensure optimum interaction between product, packaging materials and machinery to create the most effective solutions for your application.

TriVex® RL & RLi: Offering the flexibility of the TriVex RL case loader and the unique ability to seamlessly erect, load and seal top load cases with the integrated TriVex RLi, TriVex brings a new class of performance to automatic top load case packing.

- Collating systems for bags, pouches, cartons, trays, cups, cans, bottles and more
- Cartesian and vision guided Delta robot configurations for loading
- Flat and vertical pack casing for high impact retail ready displays
- Case erecting, loading, sealing and lidding (tape or glue)

TriVex® SL & SLi: Providing the retail ready packaging solution you've been looking for. The dual Scara robotic solution combines the functionality of product infeed, pack pattern collation, and case loading into one mechanism. Simple design, simply effective.

- Designed for retail ready display cases in standup configuration with one or two product facings
- Suitable for doy, pillow, flat bottom bags and pouches
- Rockwell ControlLogix® platform allows fewer and easier adjustments
- Compact footprint requires less hardware and offers unparalleled machine accessibility

Bottom Load Case Packing

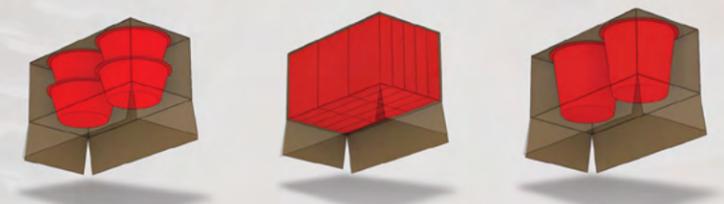
Ascend™: The design of our bottom load case packers evolved from unique customer application requirements. The compact footprint, pre-load product collation, smooth case loading, and use of top or bottom load RSC cases provide an automation alternative when top loading is not a suitable solution.

- Ideal for heavy products or products that are difficult to pick and place load
- Gentler product handling alternative to drop packers
- Durable construction, servo motions and active case flap folding
- Applications include tubs, jugs, bottles and cartons

Top load packages



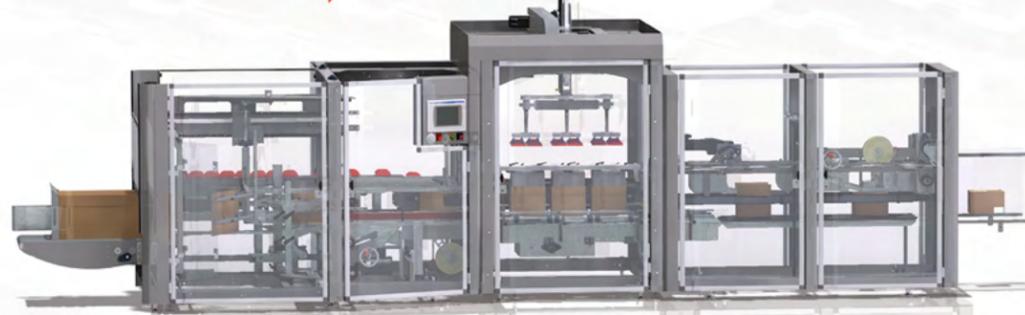
Bottom load packages



TriVex SL



TriVex RLi



TriVex RL
with DELTA III
Robotic Loader



Ascend



Shrink Wrap & Tray Packing Industry leading performance, package appearance and durability



Stand-alone or fully integrated systems for film-only, pad, u-board and tray applications, Douglas gives you more with Contour™ Series shrink wrap technology. More operational advantages, more consumer appeal, more of everything you need to stay ahead of the pack.

The Contour Series offers a full spectrum of innovative features that maximize speed and easily accommodate large size ranges and pack patterns for the food and beverage industries.

Innovations and Benefits

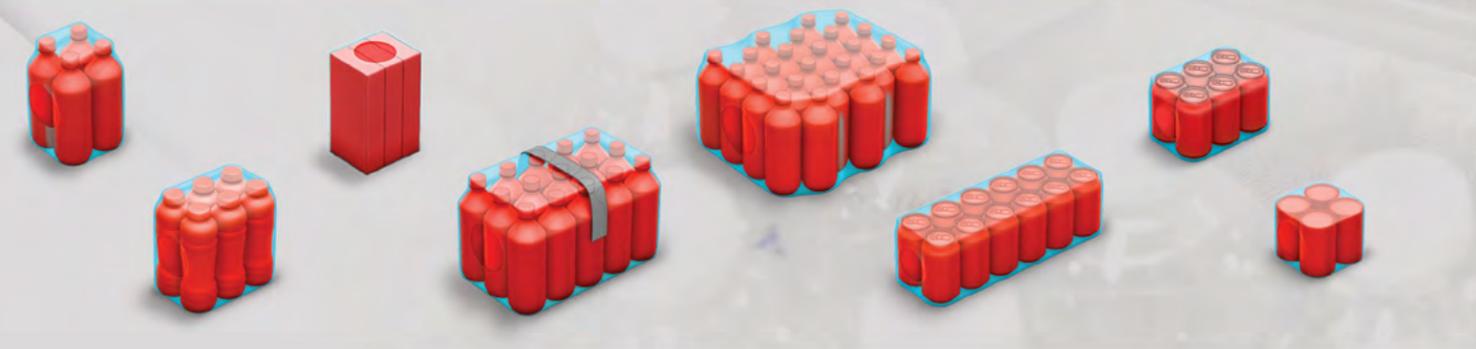
- Industry leading package quality as the result of investments in proprietary shrink tunnel technology that delivers minimal graphic distortion, consistent bull's-eyes, and a tighter, more durable wrap
- Infeed rail changeover features and conveyor speed modulation optimize performance of the **Smartrak® II** mass flow infeed system
- **Slipstream®** pinless metering technology is the most flexible collating and metering system on the market, capable of running cans, jars, bottles, cartons and Hi-cone packs
- Options for multi-stream shrink packaging increases throughput by running 2 or 3 lanes
- **SmartSelect™** Automatic changeover option for multi-lane conveyors and infeed rails provides fast, repeatable changeover
- Automatic film splicer option delivers precise print registration and heat splicing, reducing critical downtime by allowing operators to stage clear or printed film while machine is running



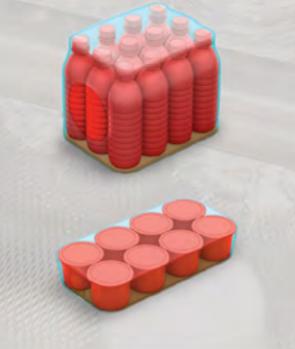
Additional package flexibility

- Dual-stream 3 or 4 sided trays for small count retail and retail ready packages
- Nested patterns and tray-on-tray stacking
- Handle application

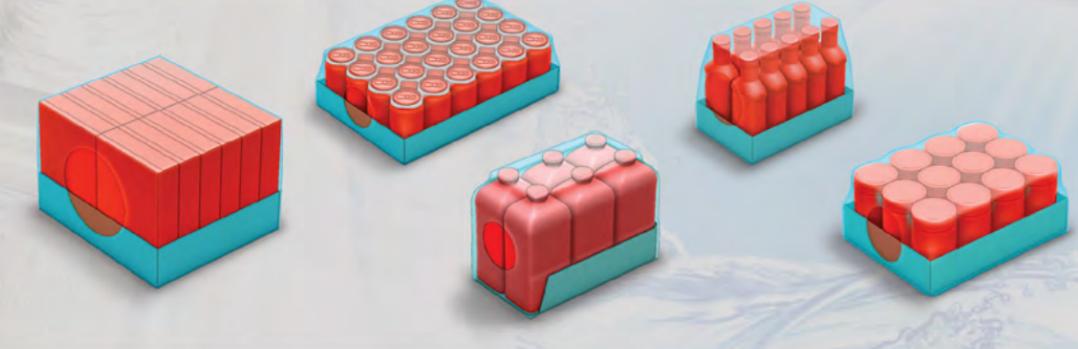
Film-only packages



Pad-shrink packages



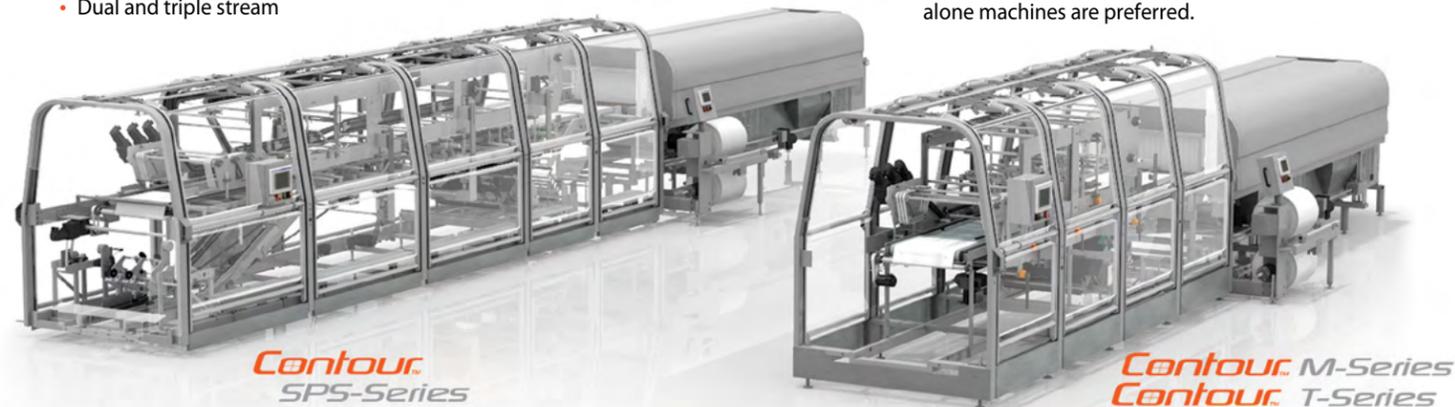
Tray-shrink packages



Contour™ SPS-Series

Complete integrated machine for loose product collating, tray packing and shrink wrapping. Additional package options make the SPS-Series our most flexible system.

- Film-only shrink wrapping
- Base support pads
- Dual and triple stream



Contour SPS-Series

Contour™ M-Series

Fully integrated machine for collating and shrink wrapping without base trays.

Contour™ T-Series

Product collating and tray packing solution. Ideal for applications without shrink wrapping or where stand-alone machines are preferred.



Contour M-Series
Contour T-Series

Contour™ S-Series

The S-Series shrink wrappers provide shrink wrapping for applications with upstream product collating and tray packing.



Contour S-Series

VS-Series

Compact VS-Series shrink wrappers provide economical shrink wrapping of tray packed product.

- Low and mid-speed applications
- Single-roll technology



VS Series

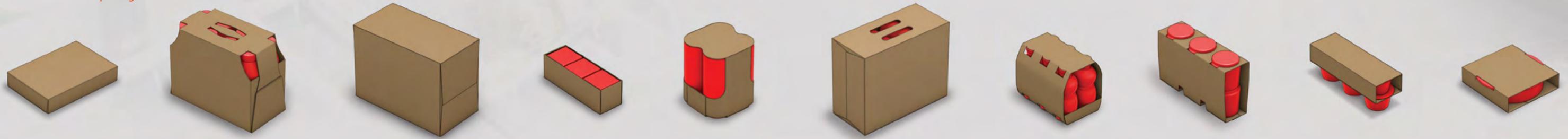
Cartoning, Sleeving & Multipacking Unmatched adaptability, exceptional efficiencies, maximum package appeal



Our paperboard cartoners, sleeves and multipackers offer solutions for a wide variety of product types and sizes, carton and sleeve styles and pack configurations. Featuring servo technology and adaptable platforms, we deliver leading-edge results that will result in greater throughput, less waste and enhanced production efficiency.



Carton and sleeve packages



Vectra®: High-speed, sanitary cartoner suitable for aseptic beverages and frozen, chilled and dry good food applications.

- Flexible machine platform with variable pitches available
- Speeds to 300 cartons/min
- Open architecture design allows for easy adaptation to a variety of food applications
- Plant conditions ranging from dry to hostile washdown

Vantra™ IM: Compact and economical low to mid-speed intermittent motion cartoner capable of producing both cartons and trays on a single machine.

- Standard 11.25" pitch (customizable to non-standard pitches)
- Speeds up to 55 cartons/trays per minute
- Automated product collation or hand load options available
- Hygienic sheet metal frame structure with standoff bearing mounts

Spectrum: High-speed multipacker for cartoning beverage cans and bottles.

- 4 to 24 count cartons
- Knockdown and accordion style cartons
- Rotary and air assisted carton setups
- Multiple diameter capabilities
- Side-select and pinwheel metering systems
- Seating wheel loading
- Live overhead carton squaring
- Speeds to 250 cartons/min

Apex™: High-speed, innovative sleeving solutions for wraparound, drop-through or neck-through sleeve configurations.

- Top, bottom or offset bottom seals
- Top or bottom gussets
- Retail ready product visibility
- Speeds to 300 sleeves/min
- Corrosion resistant tubular stainless steel frame



Robotic Palletizing & Integration

Creative solutions, modern automation, seamless integration

For end-of-line palletizing, the Douglas Stratum™ Robotic Palletizer completes your packaging process. The Stratum system dispenses and conveys pallets, meters cases on the product infeed, and utilizes robotics to palletize cases and apply slip sheets. The Stratum easily combines with Douglas packaging and cartoning or other upstream and downstream equipment for seamless integration.

Integration Services for Secondary and End-of-Line Packaging

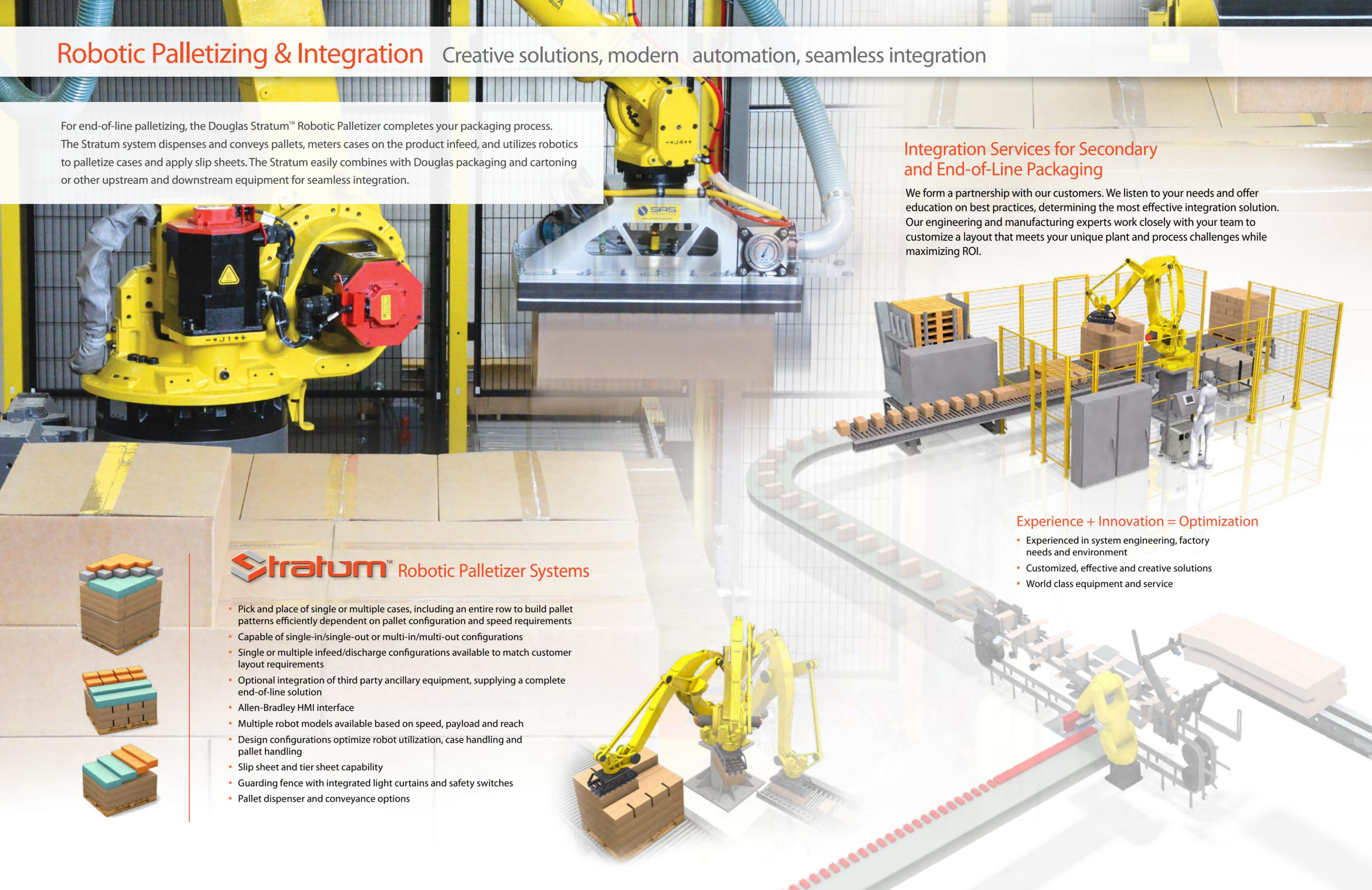
We form a partnership with our customers. We listen to your needs and offer education on best practices, determining the most effective integration solution. Our engineering and manufacturing experts work closely with your team to customize a layout that meets your unique plant and process challenges while maximizing ROI.

Experience + Innovation = Optimization

- Experienced in system engineering, factory needs and environment
- Customized, effective and creative solutions
- World class equipment and service

Stratum™ Robotic Palletizer Systems

- Pick and place of single or multiple cases, including an entire row to build pallet patterns efficiently dependent on pallet configuration and speed requirements
- Capable of single-in/single-out or multi-in/multi-out configurations
- Single or multiple infeed/discharge configurations available to match customer layout requirements
- Optional integration of third party ancillary equipment, supplying a complete end-of-line solution
- Allen-Bradley HMI interface
- Multiple robot models available based on speed, payload and reach
- Design configurations optimize robot utilization, case handling and pallet handling
- Slip sheet and tier sheet capability
- Guarding fence with integrated light curtains and safety switches
- Pallet dispenser and conveyance options



Customer Driven Service & Support

It's not just what we do, it's who we are.



Customer Driven.

When you choose Douglas, you're getting more than a quality product, you're gaining a complete Customer Driven experience.

In every aspect of your relationship with us, our friendly and skilled employee owners are 100% committed to provide you with valuable and effective collaboration, innovative solutions, responsive support and **more**.

Warranty Programs

Best in business 3-year standard component warranty. With total commitment to machine performance and the lowest total cost of ownership in the business, nobody delivers like Douglas.



Replacement Parts

Our exclusive **PartsDirect™** program provides a single, convenient source for your replacement parts. With this comprehensive program, you're ensured the guaranteed best price in addition to availability for all OEM replacement parts.



Maintenance Programs



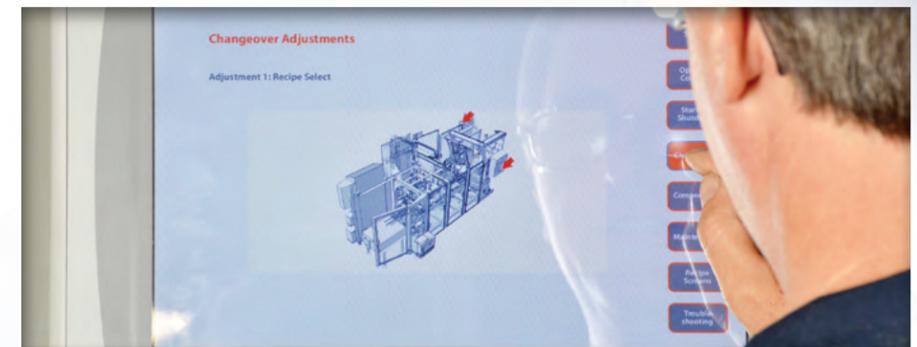
The Douglas **Reliability Assurance Program** provides timely and comprehensive machine inspection, audit and analysis services to reach your maintenance goals and ensure maximum productivity.



The **Robot Maintenance Program** provides you with an experienced technician who conducts visual inspections and preventative maintenance for your robot and equipment. We'll also provide basic adjustments, identify any worn or broken parts, and provide informal training to help increase machine efficiency.

Training & Documentation

Our technical machine training and documentation helps our customers operate and maintain their machines efficiently and effectively. With a well-trained team, confident in knowing how to do their job well, your organization will benefit from increased performance and maintain its competitive edge.



Remote Technical Support

Douglas is proud to provide world class service for all our customer's needs. Remote Service Technicians are located throughout the United States to offer the most responsive local support possible. With expertise in new, used and integrated machines, our team is dedicated to assisting you throughout the life of your equipment.





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