TriVex® RL & RLi Series

TOP LOAD CASE/TRAY PACKERS

TriVex® RLi pictured

**Production efficiency has been redefined with Douglas TriVex®.**
Offering the flexibility of the TriVex RL case loader and the unique ability to seamlessly erect, load, and close top load cases with the integrated TriVex RLi, TriVex brings a new class of performance to automatic, top load case packing. Innovative design features, advanced robotic and servo technology and simple menu-driven changeovers combine to accommodate a wide variety of product types with precise product handling and less maintenance. TriVex, less complexity, more capability, more Douglas.

DOUGLAS

Advanced Solutions for High Demand Production

◄ *TriVex RL*
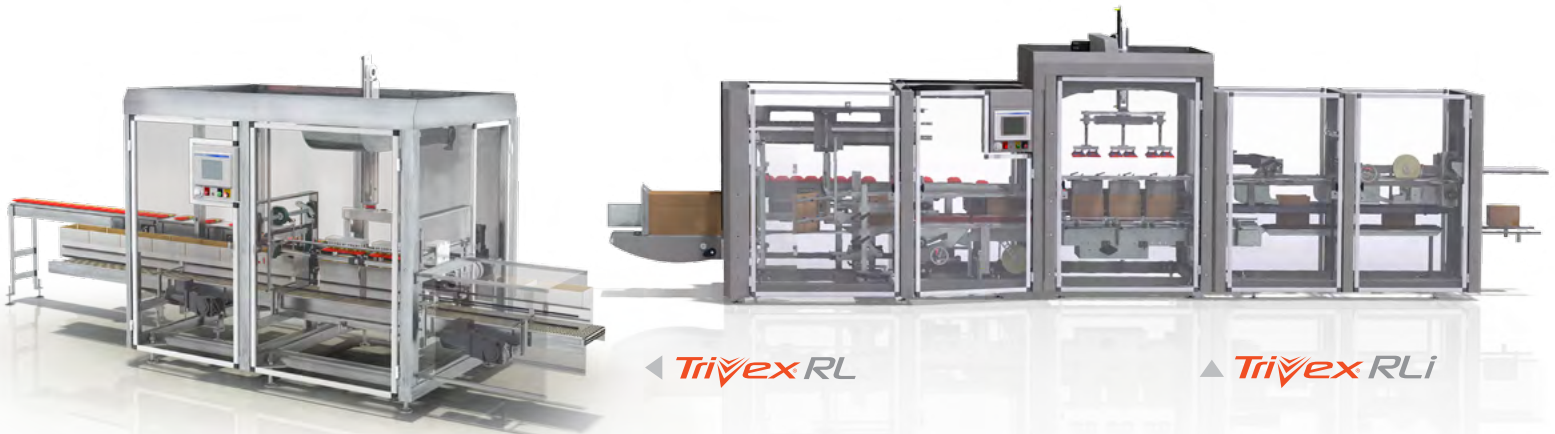
TriVex RLi ▲

TriVex® RL

The TriVex RL is a flexible automated robotic case loader designed for high demand, high efficiency top load production. Advanced infeeds quickly and gently collate products to position them for the appropriate loading technique. Precise case and flap control options assure that cases are properly prepared for loading, ensuring smooth entry and exit.

- Collating systems for bags, pouches, cartons, trays, cups, cans and bottles
- Cartesian and vision guided Delta robot configurations (loading)
- Quick and repeatable changeovers
- Load multiple cases each cycle for higher speeds
- Stainless steel and NEMA 4X construction available for wet environments

TriVex® RLi

For a complete system, the RLi offers the same loader options as the RL, and adds the unique ability to seamlessly erect, load and seal top load cases with a single high performance, low maintenance machine. With complete integration comes less product handling, less case handling and less maintenance within its compact footprint.

Modular erector and sealer configurations:
- Erect, load and seal
- Erect and load only
- Load and seal only
- Tape or glue

320.763.6587 | douglas-machine.com

Tailored Technologies
Optimize any Case Packing Operation

Douglas offers a wide range of product handling and infeed systems designed to collate and load your product with unparalleled efficiency and reliability.

As with all Douglas case packing solutions, TriVex Series top loaders deliver maximum performance while maintaining gentle product handling to ensure the highest level of finished package integrity.
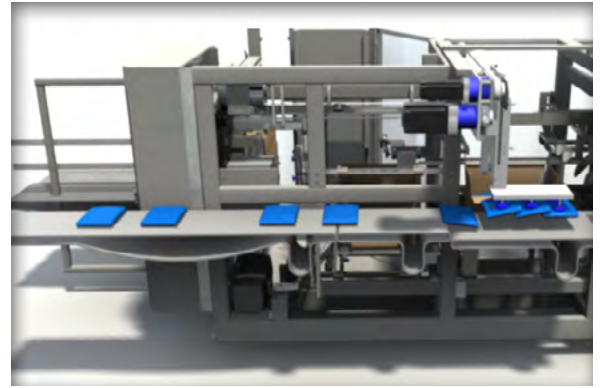
Random Timing Infeed (RTI)
The RTI uses conveyors and controls to group and position products for picking and loading into cases. RTI is the ideal solution for bags, pouches and semi-rigid products running at moderate speeds.

Dual Servo Collation System
Multiple collation sections, each with their own servo drive, isolate the collation of incoming products from the case load station. High speeds are achieved by precise indexing to receive incoming products while having extended dwell time at the pick point for case loading.

Laning and Grouping
Douglas' portfolio includes innovative laning and grouping solutions for cups, cans, cartons, bottles and other rigid or semi-rigid products.

Continuous Innovation, Maximum Performance

Delta Robot Solutions

TriVex Delta robot solutions use parallel-axis robot technology. High speed multi-axis motions allow the Delta loader to sense and pick moving product, often eliminating the need for special product handling on the infeed or the need to stage product before picking. The location and orientation of each product loaded into the case or tray is also programmable providing a high level of flexibility.

- Single and multi-cell robot configurations
- Infeed product sensing via photo eye or vision for random product orientations
- Produce case patterns with mixed product orientations
- Flat or vertical pack casing for high impact retail ready displays

Vertical Pack Solutions

TriVex RL & RLi Vertical Pack solutions are used for products that must remain upright through distribution or for retail ready display packs. Solutions include pattern tipping, vane collation and Delta robot loading.

- Products facing the major or minor panels of the case
- Flat and vertical pack capabilities on the same machine
- Excellent machine accessibility, simple changeover, small footprint and product control for pillow bags and standup pouches

Specifications

SPEED	Up to 25 cases/minute (contact Douglas for applications outside range)
CASE SIZE RANGE	Standard Minimum: 6" (152.40mm) x 4" (101.60mm) x 5" (127.00mm) Standard Maximum: 21" (533.40mm) x 13" (330.20mm) x 16" (406.40mm) *Direction of Travel x Vertical x Across Machine
ELECTRICAL	Rockwell controls including motion, logic, drives and HMI NEMA 12 (NEMA 4 or 4X optional)
INSTALLATION REQUIREMENTS	480VAC, 50/60 HZ, 3PH RL: Other power sources available RLi: Second 480V drop for optional glue sealing

Specification limits may not be available in all combinations and are subject to change without notice.
For custom specifications and information, contact a Regional Sales Manager today at: 320.763.6587 or info@douglas-machine.com.

Typical Pack Patterns

Customer Driven
After Sale Support

Douglas is proud to provide world class service for all our customers' needs. Remote Service Technicians are located throughout the United States to offer local support as quickly as possible. We offer exceptional programs designed to keep your operation on the move and improve your bottom line. Machine inspection, audit, analysis, training and a solid warranty just to name a few. Our team is dedicated to assisting you throughout the life of your equipment.

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.

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

To discover how **Customer Driven** means **more** to you, contact Douglas Machine at 320.763.6587 or info@douglas-machine.com to discuss your packaging needs today.

Visit douglas-machine.com for details about our company, our products/solutions and our service & support.

DOUGLAS

EMPLOYEE OWNED, CUSTOMER DRIVEN.