

Contour™ 30/60 Series

SHRINK WRAP SYSTEMS

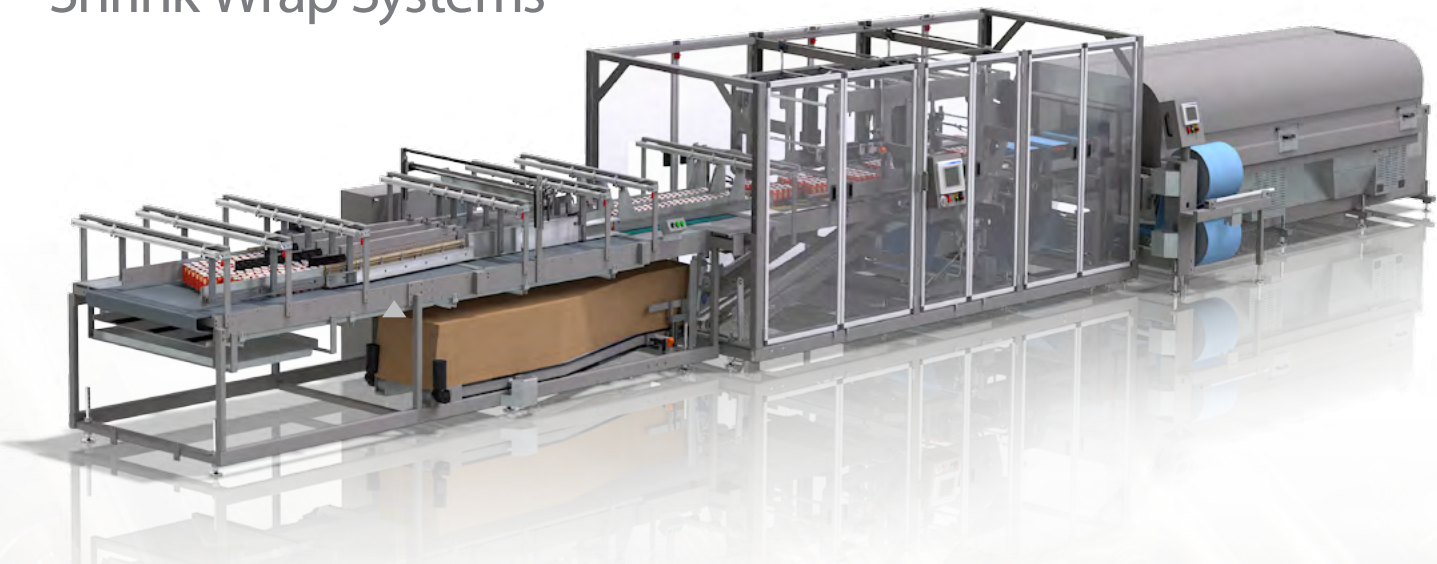


Higher performance through advanced solutions.

Boldly at the forefront of packaging trends and market demands, the Contour™ Series continues to raise the standards for shrink wrap performance. With intelligent, adaptable and economical solutions offering advanced heat tunnel technology, superior efficiency and ultimate reliability, our shrink wrap systems meet all facets of today's accelerated production challenges while ensuring your brand is consistently presented with industry-leading package appearance and durability.

DOUGLAS

Douglas Provides **More** with Contour™ Shrink Wrap Systems

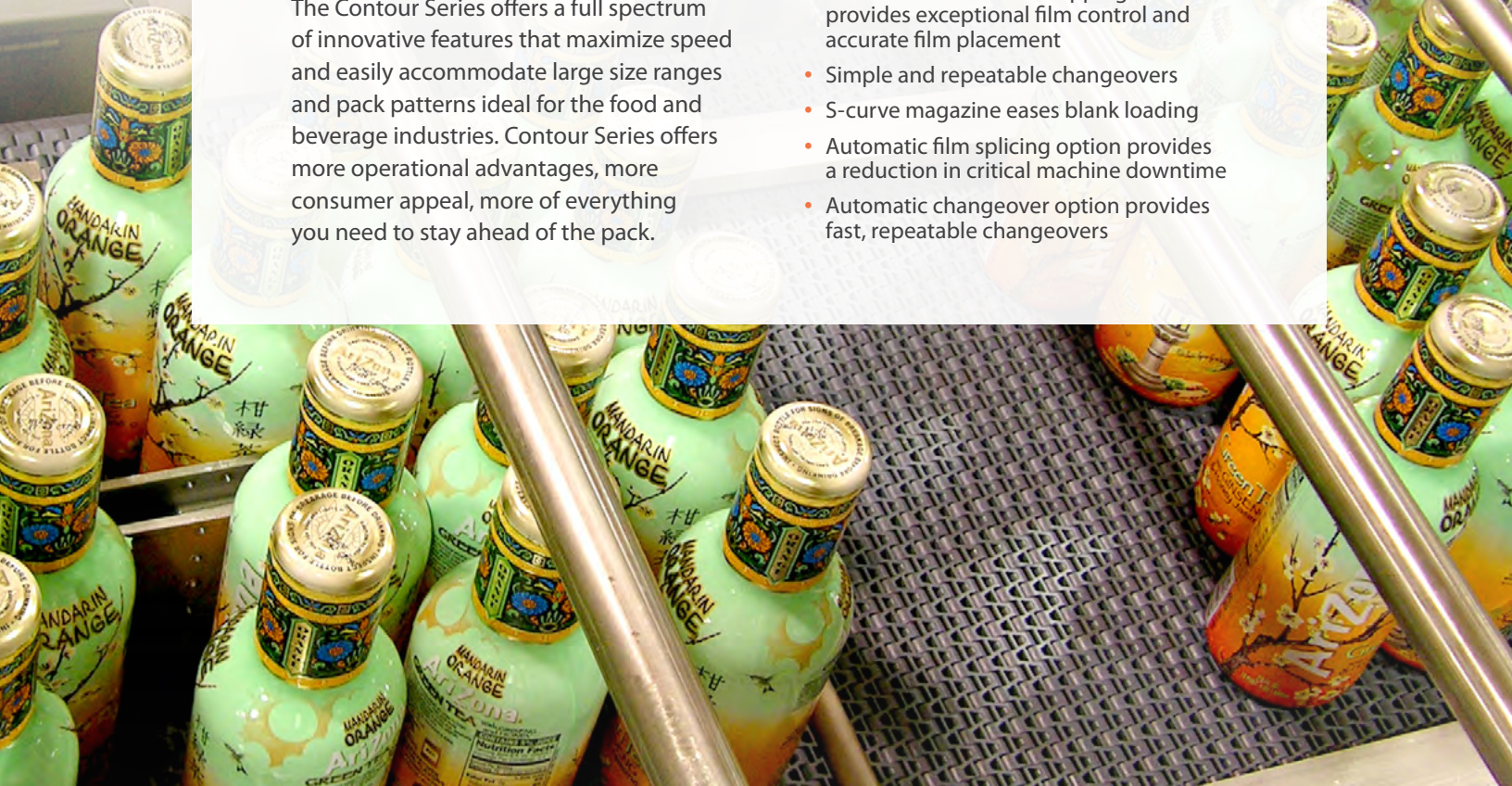


Contour™ 30/60 Series

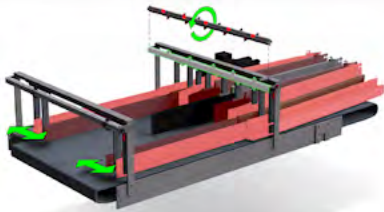
Contour Tray Packers and Shrink Wrappers are available as stand-alone units or fully integrated systems. These two versatile systems deliver exceptional performance and the best finished package appearance and durability available.

The Contour Series offers a full spectrum of innovative features that maximize speed and easily accommodate large size ranges and pack patterns ideal for the food and beverage industries. Contour Series offers more operational advantages, more consumer appeal, more of everything you need to stay ahead of the pack.

- Clear or printed film
- Film-only, pad, u-board and tray solutions
- Single stream and multi-stream capabilities
- Single or dual spindle side film stands assure proper ergonomics and add convenience for film loading and splicing
- Flexible servo driven wrapping wand provides exceptional film control and accurate film placement
- Simple and repeatable changeovers
- S-curve magazine eases blank loading
- Automatic film splicing option provides a reduction in critical machine downtime
- Automatic changeover option provides fast, repeatable changeovers



Enhanced Productivity Through the Power of Innovation



Smartrak® Mass flow infeed design eliminates soft bottle bridging and removes gaps to ensure pack pattern accuracy and continuous product flow.

- Modulated conveyor speeds control product surge and aid flow
- Tool free clamps and pinned lane guide adjustments for stable operation and quick, accurate changeovers
- Single clamp design at each cross-member quickly lock-in multiple lanes



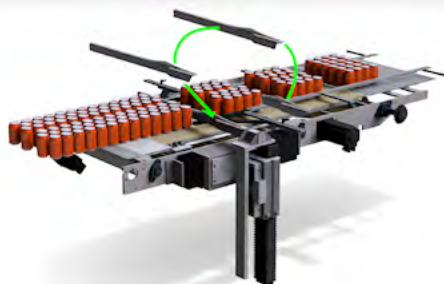
SmartSelect™ Repeatable, pushbutton changeover reduces infeed changeover time to less than 5 minutes.

- Allows the placement of lanes where desired as opposed to centerline or fixed side adjustments
- More customer options for generating product-specific recipes
- Recipe-driven rail positions lock in place to within $\pm 1/32"$
- Infeed rail's holding force withstands high product pressure



Slipstream™ Mid-speed pinless metering offers highly accurate product registration for slower speed applications.

- Provides slip sheet grouping of pack patterns for tray packing
- Run bottled, cartoned, canned and other products without the use of tampers or escapement pins
- Tool free changeovers and preprogrammed settings increase productivity



Variable Path Metering Innovations to our patented Slipstream pinless metering system incorporate variable path registration bar technology and slip sheet technology.

- Gently groups and meters products into the machine
- Dynamic variable path motion registers products with less pressure and interruption to product flow

Package Quality Requires Precision Film Control



Precise Film Delivery

The single nip roller and vacuum belt film delivery combine with a servo driven cutting knife to provide efficient operation. Flexible servo driven wrapping wands use pre-cut cam tracks that enable the wand to match the product height and wand rotational speed. This results in increased film control and accurate film placement.

Automatic Film Splicer (optional)

The ergonomically designed automatic film splicer delivers precise print registration and heat splicing, reducing critical machine downtime. The easy access side film stand enables operators to stage clear or printed film at their convenience, while the machine is running. Staging during operation maximizes production time and minimizes the occurrence of empty film faults. Once the film is staged, splicing occurs automatically, providing the additional benefit of greater workload flexibility for machine operators.

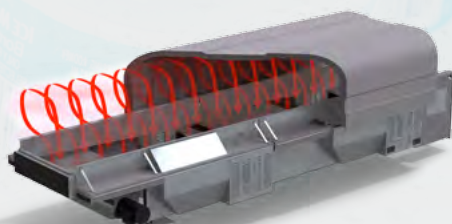


Advanced Shrink Technology Enhances Your Brand

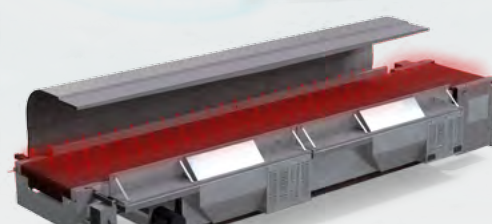
The Douglas Contour™ revolutionary patented heat tunnel is designed with the aesthetics of your product in mind. Whether your application calls for single or multiple lane production, unprecedented heat and airflow management ensures minimal graphic distortion, consistent bull's-eyes and a tighter, more durable wrap for maximum package integrity and appearance. Enhanced tunnel operations significantly reduce noise and exterior heat temperatures, contributing to a quieter, cooler plant environment.



The heat system is designed so the air supplied to the distribution system is perfectly uniform, eliminating film distortion due to hot or cold pockets. The Contour continuously recycles the air as it heats, decreasing the amount of energy required to reach operating temperature. A well insulated heat tunnel minimizes heat loss, which also maintains a safe outer surface temperature.



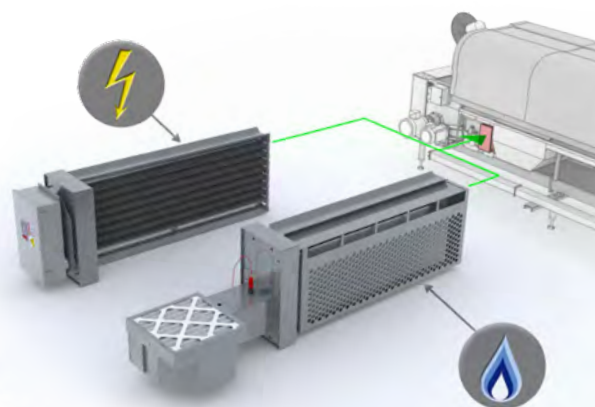
At the heart of this innovation is a unique combination of design features which result in "laminar" airflow, rather than "turbulent" airflow, which most shrink systems use today. Unlike turbulent airflow, which causes a multitude of shrinking inconsistencies, our proprietary laminar design precisely balances the heated air, perfectly "coating" the film from every direction, shrinking and sealing the film in an even, predictable manner.



Evenly heated air passing through the conveyor web contacts the film under the product resulting in consistent "air weld" of the film lap seam. Tunnel chain temperature and airflow are precisely adjusted through product specific recipe-driven changeovers. Poor lap sealing or holes melted in the seams are eliminated, resulting in strong and even seams that hold up to the rigors of distribution and stocking operations.

Gas Powered Heat Tunnel (optional)

Reduce energy costs and improve production efficiency with a shorter heat-up time by using gas instead of electricity to heat the shrink wrap tunnel. Tunnels heat from 75°F to 360°F in just 15 minutes cutting the heat-up time by almost 30%. Depending on local energy costs and the type of machine used with the gas tunnel, it is estimated that companies could cut energy costs up to 75%. Contact Douglas to calculate your estimated cost savings.



Specifications

SPEED	30 Series: up to 30 cycles/minute 60 Series: up to 60 cycles/minute
PACKAGE SIZE RANGE	Standard Minimum: 5" (130mm) x 3 1/2" (90mm) x 8 1/2" (215mm) Standard Maximum: 15 3/4" (400mm) x 12" (305mm) x 22" (560mm) * Direction of Travel x Vertical x Across Machine

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](tel: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](tel: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.



EMPLOYEE OWNED, CUSTOMER DRIVEN.