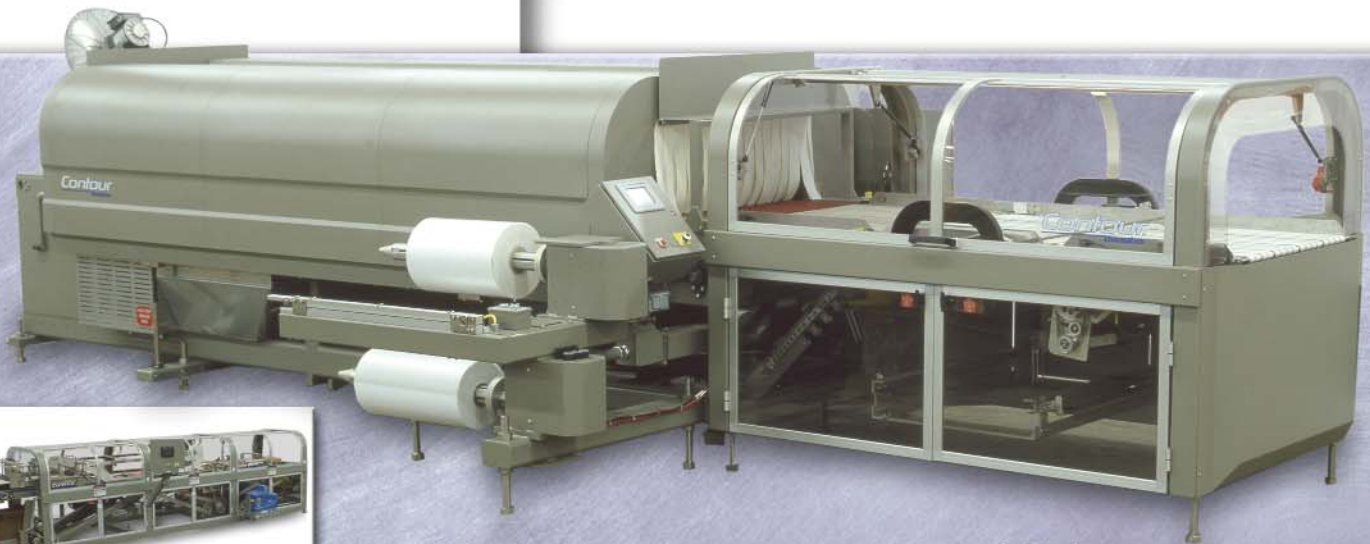




# Contour™

## 30/50 SERIES

The Douglas Contour™ 30/50 Series cost-effectively maximize simplicity and efficiency for tray, pad, u-board, or film only applications. Patent-pending techniques produce excellent bull's-eyes and simple size changes. Versatile solutions are available as stand alone units or integrated with a tray packer. More benefits include large size ranges, increased film control, accurate film placement and an efficient use of floor space. The 30 Series operates at speeds to 30 cycles per minute and the 50 Series operates at speeds to 50 cycles per minute.



S-50 shown



T-30 shown

### VERSATILITY-----

**Maximum Versatility:** The Contour™ 30/50 Series are versatile solutions as stand alone units (S-Series or T-Series) or integrated with a tray/pad/u-board packer (SPS-Series).

### RELIABILITY-----

**Convenient Accessibility:** The Contour™ Series' open design provides convenient access to product, film, and machine components. The low level magazine ensures easy blank loading and the film cutter assembly is located just under the conveyor, for maximum ease in maintenance.

### SIMPLICITY-----

**Ultimate Simplicity:** The simple inline machine is designed with an easy-to-understand Human Machine Interface and only two servo motors for driving machine functions, reducing parts costs and maintenance downtime. Quick release change parts ensure quick and simple changeovers.

### PRECISION-----

**Revolutionary Heat Tunnel:** This patent-pending heat tunnel was designed with the aesthetics of your product and machine in mind. Balanced airflows ensure consistently shaped bull's-eyes and minimum graphic distortion.





Flexible infeeds easily adapt to your products.

#### FLEXIBLE INFEEDS:

**Smartrak™ Steady Stream Infeed System:** With simple and reliable performance, the new Smartrak™ Steady Stream Infeed System far surpasses other product infeeds. Our patent-pending design eliminates soft bottle bridging and removes the gaps that compromise pack pattern accuracy and continuous product flow. Distinguishing features include solid adjustment cross-members, rigid lane guides and cam style adjustment clamps for stable operation and quick changeovers.

**Wedge Infeed:** Ideal for round products in many applications, the unique funnel design creates high volumes of product throughput, resulting in fewer jams and less damaged product.

**Recirculating Conveyor:** Ideally suited for easily damaged non-carbonated or soft bottles. A strategically placed photoeye controls product flow and monitors product population in the infeed. By controlling product population, line pressure is reduced, resulting in less damaged product.



Efficient product metering and accumulation ensures products are handled at a variety of speeds.

#### EFFICIENT PRODUCT METERING:

Simple pin gate metering is an economical solution for products running at low to medium speeds. Mechanical functions ensure easy-to-understand operations.



A side film stand simplifies film loading (shown with optional second spindle).

#### ERGONOMIC SIDE MOUNTED FILM STAND:

Our convenient single spindle side mounted film stand (standard on the 50 Series, optional on the 30 Series) assures proper and productive ergonomics. A dual spindle side film stand is optional on both the 30 and 50 Series. The stand mounts outside the machine at the operator's waist level to ensure easy film roll loading.



SPS-30 shown

#### **FLEXIBLE SERVO DRIVEN WRAPPING WANDS:**

This patent-pending wrapping wand utilizes circular, elliptical, or trapezoid wand paths, depending on product and size range. This results in increased film control and accurate film placement. It accommodates a large size range in a small area, accepts randomly spaced products, and requires less maintenance.



A variety of wand paths maximize the Contour™ Series size range and wrapping performance.

#### **EXCLUSIVE FILM CUTTER ASSEMBLY:**

The exclusive film cutter assembly consistently feeds and cuts film in lengths of 20 in. (508 mm) to 56 in. (1,422 mm). Film tension is easily adjusted, providing optimum performance for the type and length of film. The conveyor deck simply pivots for convenient film threading and cutter maintenance.



A variety of wand paths maximize the 30/50 Series size range and wrapping performance.

#### **REVOLUTIONARY HEAT TUNNEL:**

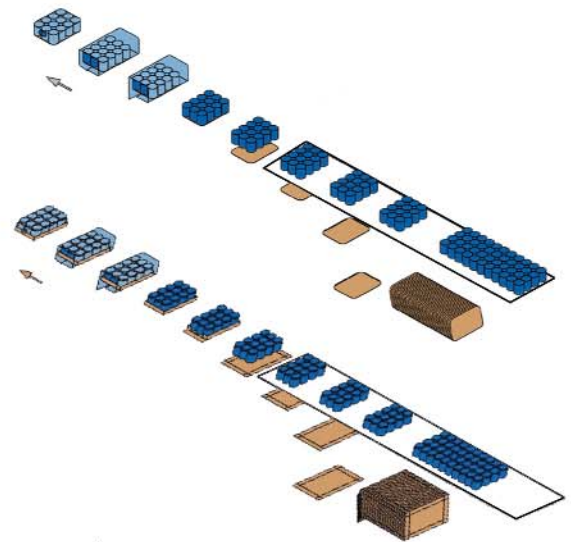
We creatively designed our patent-pending scalable heat tunnel with the aesthetics of your product and machine in mind. Unprecedented heat and airflow management ensures consistently shaped bull's-eyes and minimum graphic distortion on your final product. Enhanced heat tunnel operations significantly reduce tunnel sound and exterior heat temperatures, contributing to a quieter and cooler plant environment.



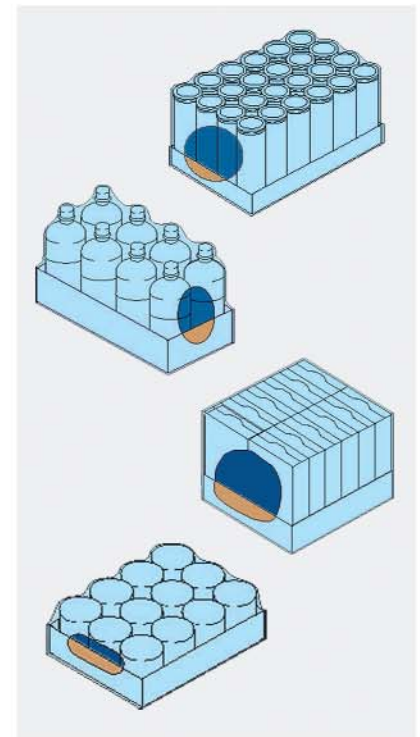
Scalable heat tunnel ensures consistently shaped bull's-eyes.

## SPECIFICATIONS:

<b>DRIVE:</b>	Servo drive motors.		
<b>PITCH:</b>	Application dependent.		
<b>SPEED:</b>	Series 30 - Up to 30 cycles per minute. Series 50 - Up to 50 cycles per minute.		
<b>PACKAGE SIZE RANGE:</b>	<b>Direction of Travel</b>	<b>Vertical</b>	<b>Across Machine</b>
Minimum:	5 in. (127 mm)	3 in. (76 mm)	9 in. (229 mm)
Maximum:	14 in. (356 mm)	9-3/8 in. (238 mm)	22 in. (559 mm)
<b>FILM LENGTH:</b>	Minimum: 20 in. (508 mm) Maximum: 56 in. (1,422 mm)		
<b>FILM THICKNESS:</b>	Printed or non-printed: 1.5 to 3 mil.		
<b>FILM WIDTH:</b>	Minimum: 15 in. (381 mm) Maximum: 30 in. (762 mm)		
<b>FRAME:</b>	Tubular stainless or carbon steel.		
<b>LEGS:</b>	Threaded.		
<b>ADJUSTMENTS:</b>	Threaded screws, handwheels, handknobs with position pointers and scales. Digital scales, phase adjustments, and tool-free packages (optional).		
<b>GUARDING:</b>	Polycarbonate guarding. Other guard packages per project specification (optional).		
<b>ELECTRICAL:</b>	Allen Bradley programmable logic controller or per project specification (optional). Allen Bradley Panelview. NEMA 12 wiring and enclosures. Downstream surge control. NEMA 4 or 4X wiring and enclosures (optional).		
<b>FINISH:</b>	Stainless steel or gray metallic baked-on epoxy powder coat. Other colors per project specification. All parts in contact with product are stainless steel and plastic. OEM parts are manufacturers' standard.		
<b>INSTALLATION REQUIREMENTS:</b>	Power: One drop 480 VAC, 50/60Hz, 3PH. Other power sources available. Air: Per project specification.		



### Typical Pack Patterns



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