

OPTX™

30/60 SHRINK WRAP SYSTEMS



OPTX™ SPS-60 pictured

Clearly **Simplified** Shrink Packaging Solutions.

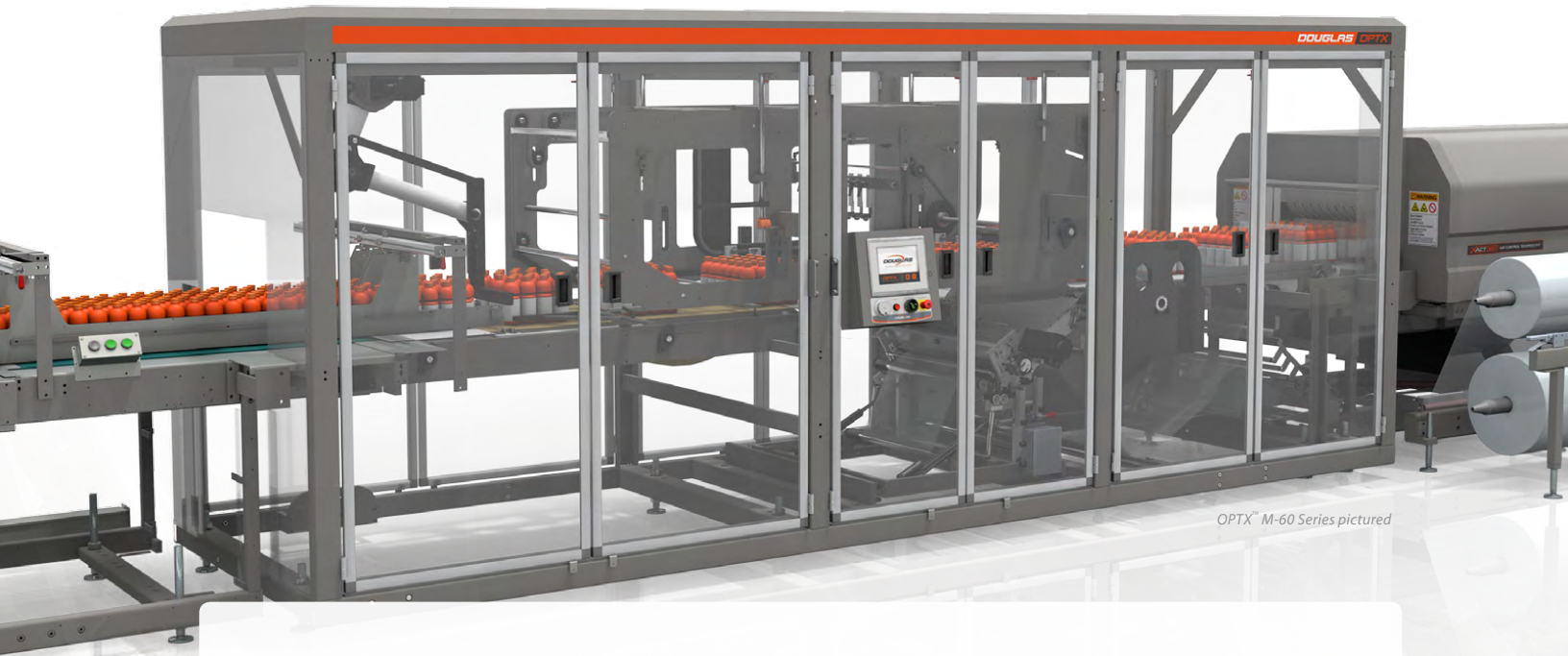
This is what **Customer Driven** shrink packaging looks like. Clean and lean, built to produce without fail. Reimagined from every angle to deliver enhanced package appearance and durability with next level simplicity and efficiency.

OPTX™. Everything you're looking for, and **more**.

30/60 Series

DOUGLAS

EMPLOYEE OWNED, CUSTOMER DRIVEN.



OPTX™ Simply more productive.

Available as stand-alone units or fully integrated systems, the OPTX platform was developed to meet all facets of today's accelerated production challenges, while ensuring your brand is consistently presented with industry-leading package appearance and durability.

From the first look it's obvious we listened when you said simplicity and efficiency are priorities. With OPTX, every element was designed to enhance performance and simplify operation and maintenance.

Intelligent and adaptable, OPTX solutions offer open, easy access, simplified control, advanced heat tunnel technology, superior efficiency and ultimate reliability.

Bottom line? With OPTX, producing the best looking packages on the shelf has never been easier.

- 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 locks-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 +/- 1/32"
- Infeed rail's holding force withstands high product pressure



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



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

Package Quality Requires **Precise** 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.



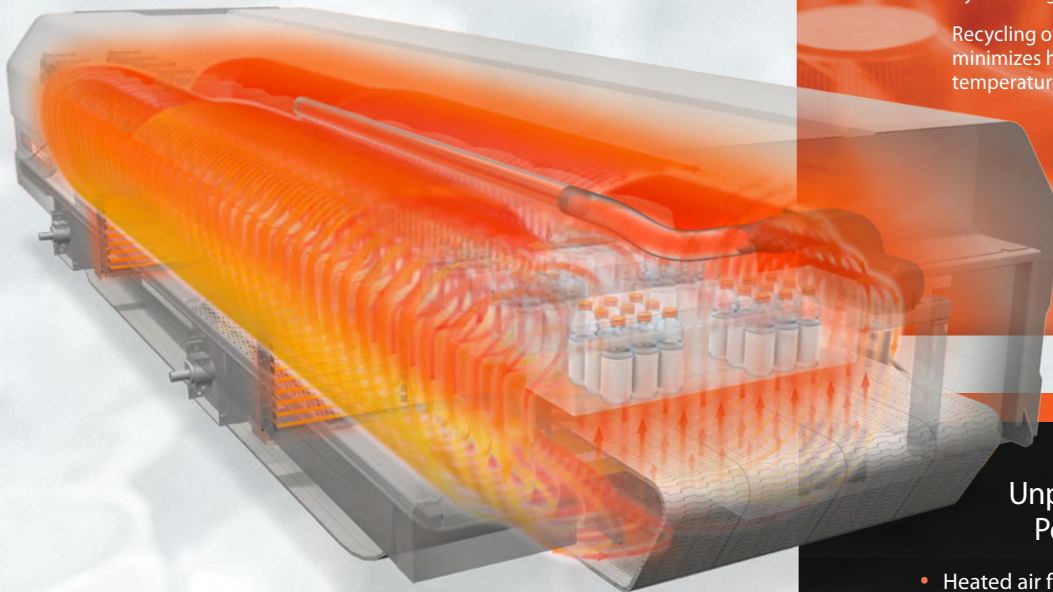
This is what Customer Driven Shrink Technology looks like...

With OPTX™ shrink tunnels and exclusive XACT 360™ Air Control Technology, enhanced package appearance and durability are achieved with next level simplicity and efficiency. With XACT 360, all OPTX solutions deliver consistently superior finished packages regardless of product type or shape.

Trademarks of a design that produces the most appealing and durable packages, OPTX shrink tunnels maintain gentle, laminar air flow and balanced heat distribution. And with XACT 360 Air Control Technology, OPTX takes it a step further by quickly adjusting with unprecedented simplicity to deliver air exactly where it's needed for each product, whether single or multi-stream production.

Simplified tunnel setup and changeover

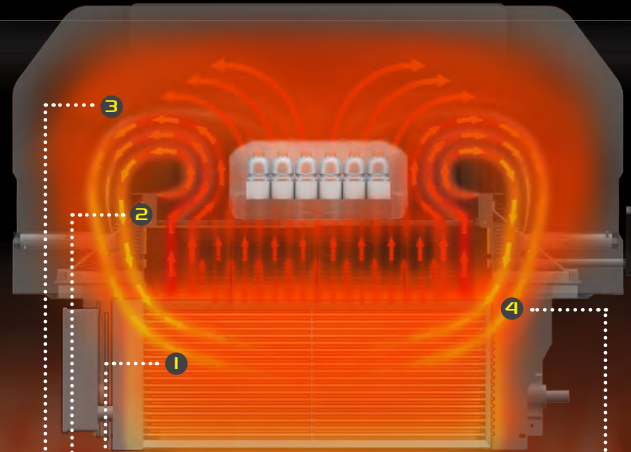
- Precise recipe driven control of air temperatures and velocities
- Recipes include "air knife" settings to optimize package quality by directing heat flow to ends of packages



Save with available Gas Powered Heat Tunnel
(Contact Douglas for details)

XACT360™

AIR CONTROL TECHNOLOGY



Heated air is delivered through conveyor chain with laminar flow to bond the lap seal and surround each package 360°

With simple recipe selection, exclusive "air knives" automatically adjust to direct targeted air precisely where needed for specific pack characteristics

Gentle laminar airflow improves package consistency by reducing wrinkle-inducing turbulence

Recycling of cooled air reduces heater loads and minimizes heat loss, while tunnel outer shroud temperatures remain cool to the touch

See XACT360™ in action >

Unprecedented Multi-Stream Performance & Simplicity

- Heated air from within the tunnel is directed between packages to balance film shrinkage around packages
- Eliminates complex ducting between packages and related adjustments
- Patented design enables shrink tension between packages to shape bullseyes before fully separating packages
- Easy access setup key establishes optimal heat flow through conveyor for film only packaging

OPTX™ Xactly what you've been looking for.

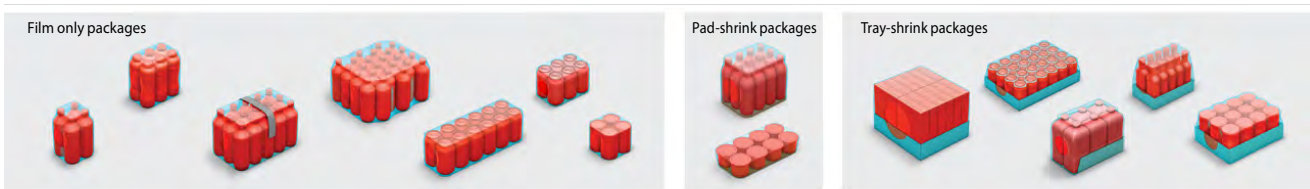
Specifications

SPEED	OPTX 30 Series: up to 30 cycles/minute OPTX 60 Series: up to 60 cycles/minute
PACKAGE SIZE RANGE	<p>SPS, T and S models Minimum: 5" (127 mm) x 3" (76 mm) x 9.5" (241 mm) Maximum: 14" (355 mm) x 12" (305mm) x 22" (558 mm)</p> <p>M models Minimum: 3.5" (90 mm) x 3" (76 mm) x 7" (177 mm) Maximum: 14" (355mm) x 12" (305 mm) x 22" (558 mm)</p> <p>* Direction of Travel x Vertical x Across Machine</p>

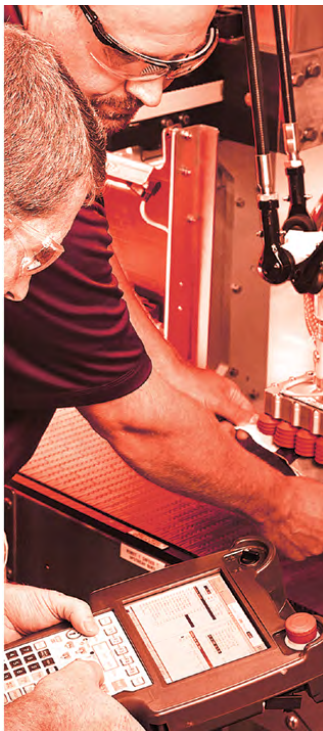
Specification limits may not be available in all combinations and are subject to change without notice.

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.

Discover how **Customer Driven** means **more** for 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.



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