

RHINO® 12**MODIFIED ATMOSPHERE TRAY PACKAGING MACHINE****What is Modified Atmosphere Packaging (M.A.P.)?**

Every product, even complex food products, has its own ideal atmosphere—Oxygen, Nitrogen, and Carbon Dioxide. By using a carefully controlled mixture of gases, processors and packers can adjust the atmosphere within a package by using modified atmosphere packaging (M.A.P.). This technology is used to preserve the freshness and extend the shelf life of products and provides the best way to ensure products are safely packaged in order to reach the consumer in optimum condition.

Our Rhino 12 Automatic M.A.P. Tray Sealer is a versatile, inline tray sealer with modified atmosphere packaging capability. Designed to reduce packaging costs while enhancing product appearance, shelf life, and package durability, our Rhino 12 is ideal for medium to large sized commercial production environments.

About Rhino 12

Constructed of stainless steel and anodized aluminum, the Rhino 12 is built to operate in wash down environments. Its inline guide rails are fully adjustable and will accommodate bowls, trays, and family packs. The extra wide sealing area accommodates four rows of the popular #3 size trays. Trays are advanced by a stepper motor into the sealing mold, sealed and then automatically discharged. Tooling changeover is fast and easy, requiring a single tool to accomplish product changeovers in less than 15 minutes.

The IP-65/NEMA 4 rated multilingual (English, German, French, and Spanish) touch screen control panel is easy to use and regulates sealing time and temperature, gas flush, vacuum level, and line speed for various products.

Rhino 12 Benefits Include:

- **Preserve freshness**
- **Extend shelf life**
- **Extend distribution reach**
- **Increased profits**
- **Reduce shrinkage**

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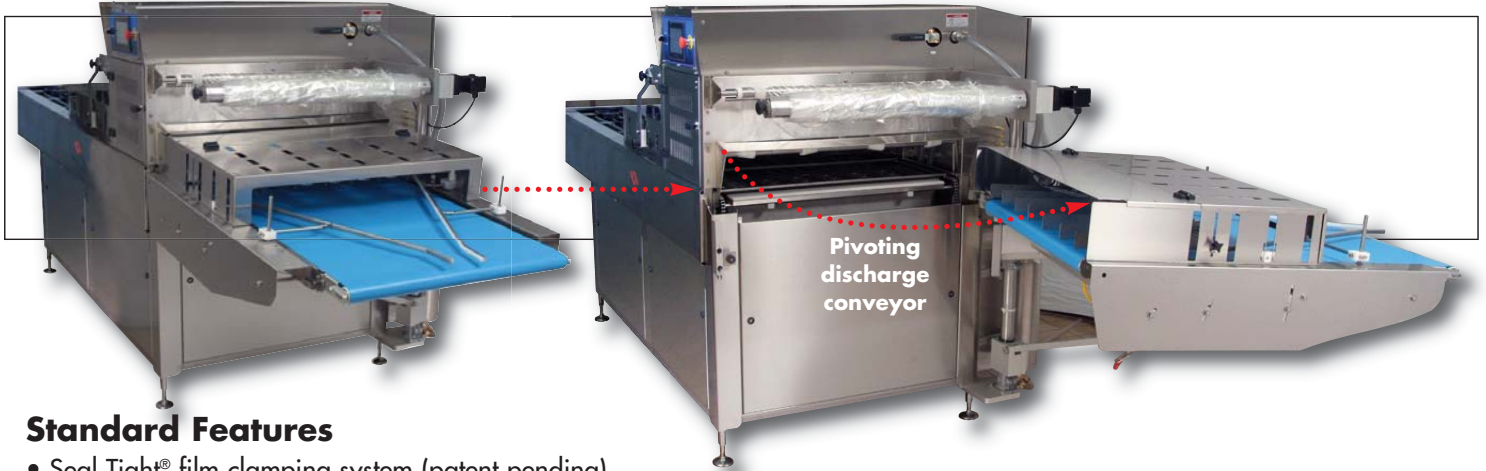
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**UltraSource®**

THE NEW STANDARD FOR INNOVATION

RHINO® 12

MODIFIED ATMOSPHERE TRAY PACKAGING MACHINE



Standard Features

- Seal Tight® film clamping system (patent pending)
- PLC controls with 7" full color touch screen (Multilingual: English, German, French, and Spanish)
- Fully electronic film tension system controlled through the touch screen
- Stepper motor controlled film advance ($\pm 0.5\text{mm}$) eliminates film breakage and tightly controls advance distance from uncut side
- Teflon® coated sealing plates
- Film Relax® mechanism
- Slant top for both electrical enclosure and machine top for water runoff
- Adjustable gravity discharge conveyor (from 5 to 25 degrees) to set the discharge height to match the takeaway conveyor
- Pivoting discharge conveyor
- One year warranty
- NSF 2, UL 963, CSA C22.2 #68 certified

Optional

- Motorized ejection conveyor with channelizer
- High O₂ kit
- Coding systems
- Printed film registration
- Integrated film labeler
- 10 hp vacuum pump
- Additional lane configurations



Rhino 12 Specifications:

Cycle Time Seal Only Mode	Up to 10 cycles per minute
Cycle Time Gas Flush Mode	Up to 8.5 cycles per minute
Cycle Time Vacuum/Gas Mode	Up to 7 cycles per minute
Machine Dimensions	145.10" L x 57.09" W x 66.92" H (3685mm x 1450mm x 1700mm)
Maximum Tray Dimensions (One Impression Mold)	32.8" W x 12.4" L x 5" D (833mm x 315mm x 127mm)
Electrical Current	230 volt, 3 phase, 60 Hz
	Without pump seal only: 8A
	M.A.P., with 7.5 hp pump: 24A
	M.A.P., with 10 hp pump: 32A
	With channelizer: add 0.5A
Air Requirement	100 psi minimum, 120 psi recommended, 1/2" line required
Air Compressor Size	8.3 C.F.M., 10 hp minimum compressor
Vacuum Pump	7.5 hp
Gas	2.25 C.F. per cycle

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