

## **RHINO® 10**

### **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 10 Automatic M.A.P. Tray Sealer** is a versatile, inline tray sealer with modified atmosphere packaging capability. Ideal for small to medium sized commercial production environments.

#### **About Rhino 10**

Constructed of stainless steel and anodized aluminum, our Rhino 10 is built to operate in wash down environments. Its inline guide rails are fully adjustable and will accommodate bowls, trays, cups, and more. The wide sealing area accommodates three rows of #3 size trays that 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) programmable logic control panel is easy to use and regulates sealing time and temperature, gas flush, vacuum degree, and line speed for various products.

#### **Rhino 10 Benefits Include:**

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

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**UltraSource®**

THE NEW STANDARD FOR INNOVATION

# RHINO® 10

## MODIFIED ATMOSPHERE TRAY PACKAGING MACHINE

### Standard Features

- Mitsubishi FX 3G PLC Controls with 6-inch full-color touch screen
- Fully electronic film tension control, adjustable via touch screen, no mechanical adjustments required
- Stepper motor-controlled film advance (+/- 0.5mm) eliminates film breakage and tightly controls advance distance
- Film unwind drives the uncut side of the film and rewinds scrap only vs. driving the film from the cut side
- Slanted top on both the electrical enclosure and machine top for water runoff
- Adjustable discharge conveyor to set the discharge height to match the customer's take away conveyor (5 degrees to 25 degrees angled surfaces)
- Seal only configuration available at reduced cost
- Uniquely designed rewind system eliminates film breakage
- Teflon-coated seal plates
- One year warranty
- NSF 2, UL 963, C22.2 #68 certified



### Optional

- Integrated discharge channel conveyor
- Motorized ejection conveyor
- High O<sub>2</sub> kit
- Coding systems
- Printed film registration
- Integrated film labeler
- 5 hp vacuum pump



### RHINO 10 SPECIFICATIONS

Cycle Time Seal Only Mode	Up to 10 cycles per minute		
Cycle Time Vacuum/Gas Mode	Up to 7 cycles per minute		
Machine Dimensions	145.10" L x 47.09" W x 66.92" H (3865mm x 1196mm x 1700mm)		
Maximum Tray Dimensions (One Impression Mold)	22.8" W x 12.4" L x 4.7" D (580mm x 315mm x 120mm)		
Electrical Current	230 volt, 60 hertz, 3 phase	230 volt, 3 phase, 3 hp 063 pump	230 volt, 3 phase, 5 hp RA100 pump
Current	Without pump seal only	14 amps	20 amps (calculated)
Air Requirement	100 psi minimum, 120 psi recommended, 1/2" line required		
Air Compressor Size	7.5 C.F.M, 8 hp minimum compressor		
Vacuum Pump	3 hp		
Gas	1.5 C.F per cycle		
Crated Weight	2,670 lbs (1,211 kg)		

\*Based on #3 and #10 size trays

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