

ADIAS G8 UHT

HIGHER SPEED

Adipack
ASEPTIC POUCH PACKAGING MACHINES



ADINOX S.A.

Manufactura/Supplier of FOOD PROCESSING EQUIPMENTS



CUTTING EDGE ASEPTIC
FORM/FILL/SEAL MACHINE
ADIAS G8 UHT
High-speed packaging with
the highest level of quality

Easy handling
Flexibility 

Fully
Automated 

Automatic
splice
of the film
Efficient 

Automatic
Washing CIP 

Precision
Filing System 

Timely
service 

Aseptic Pouch Packaging Machine ADIAS G8

Easy handling
Flexibility



Fully
Automated



The **ADIAS G8** Aseptic Packaging machines for UHT processes, are equipped with SERVO-MOTORS in the following procedures:

- Vertical and horizontal heat sealing
- Polyethylene film dragging
- Dosing systems.

Allows the packaging of UHT milk at high speed. Providing a perfect packaging seal, with a negligible level of filtration and unsurpassed precision in filling.

THIS MODEL IS AVAILABLE IN:

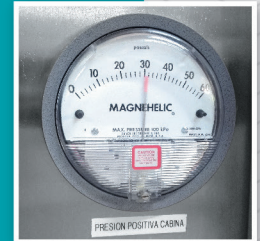
- 1-LITRE: 1, 2, 3 or 4 filling heads (From 50ml to 1.300ml Volume)
- 5-LITRES: Aseptic pouch packaging (From 1 to 5 Litres Volume)

TECHNOLOGICAL INNOVATIONS AND BENEFITS:

- Major productivity: Automatic splicing of polyethylene rolls system (non stop).
- More reliable CIP: Control of concentrations in cleaning solutions and automatic Chemical Dosing System (saving water system).
- More stability for the polyethylene films and tension control.
- Precise and stable product dosing.
- Filling heads synchronization.
- Power saving.
- **Larger production capacity 4.000 units/hour per filling head.**
- Optimization in servo motor systems.
- Reduces costs in operation and raw material.
- Higher extraction and control of peroxide.
- Low-cost maintenance. Thanks to its practical design and reliability, the replacement of parts are less frequent and it would require only $\frac{1}{3}$ of maintenance cost in comparison with other similar machines.

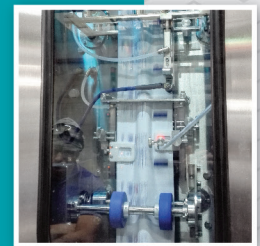
CONSTRUCTION OF THE MACHINE

- Built in AISI 304 L and 316 stainless steel.
- Equipped with: Tank for product and sterile pressurized hermetic booth with sterile atmosphere.
- Centralized lubrication and easy maintenance.



STERILE ATMOSPHERE

- Total asepsis: Inside the booth, also the forming, heat sealing and filling operations are carried out in an atmosphere with sterile air flow and UV radiation exposure. Therefore, we can guarantee absolute asepsis in the filling and packaging process, ensuring the biological integrity of the product.
- Hydrogen peroxide as sterilizing agent.



DOSING AND FILLING

- High precision control for product levels, getting an accurate dosing.
- High accuracy in pouch filling, simple adjustment due to the fact that the mechanisms, which are triggered by servo motors, adjust automatically to the previous recipes programmed in the PLC, and so, plastic and product losses can be avoided.
- Valves and product dosing have aseptic division diaphragms (cutting edge technology) which guarantee longer packaging periods and management of formulated products.



Aseptic Pouch Packaging Machine

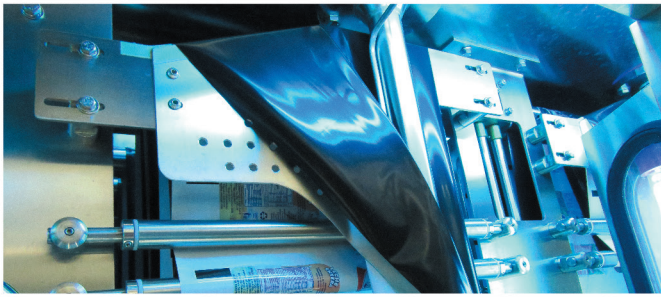
Automatic splice of the film Efficient

Automatic Washing CIP

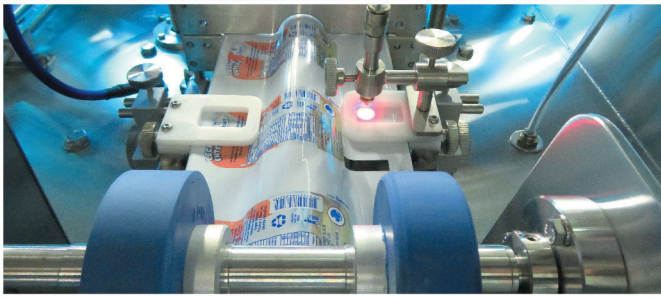
Adipack
ASEPTIC POUCH PACKAGING MACHINES

POLYETHYLENE FILM HANDLING

- Higher stability for the packaging film; also designs, alignment systems and film correction were upgraded.



- Accurate advance of the polyethylene film through servo motors with rotary encoder to keep constant film tension.



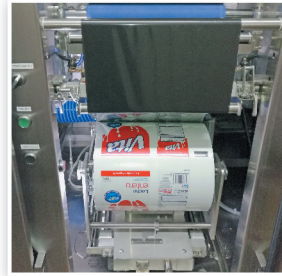
- Stops correction or centered of the film (photocell) from the operator panel, included in recipes.



- Disinfection and sterilization of the film by: first, washing in H2O2 35%, second, residual elimination using wipers, and finally a sterile air flow.
- Multiple high intensity UV light units.

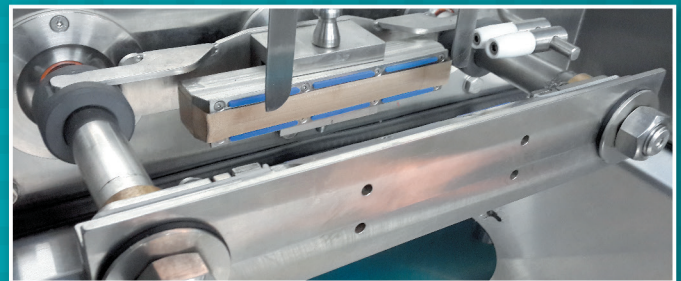
AUTOMATIC SPLICING OF THE POLYETHYLENE FILM ROLLS

- Non-stop production; with capacity for two rolls of polyethylene, easy to change.



HEAT SEALING ELEMENTS

- Sealing jaws triggered by servo motors guarantee precise and constant forces in sealing processes; easily adjustable, perfect synchrony of the cycles and movements of the machine.
- Larger production capacity, up to 4.000 units/hour per filling head.
- No pneumatic systems to foster power savings.
- Vertical heat sealing on the side, perfect for aseptic packaging.



- New tension system, optimizing the sealing process.
 - High precision horizontal heat sealing, achieving constant temperatures that can be confirmed from the operator panel.
- Available in two versions:
- Micro-pulse Technology
 - Constant temperature Technology

ADIAS G8 UHT

Precision Filing System 

Timely service 



ADINOX S.A.

Manufactura/Supplier of. FOOD PROCESSING EQUIPMENTS

AUTOMATED CIP & SIP

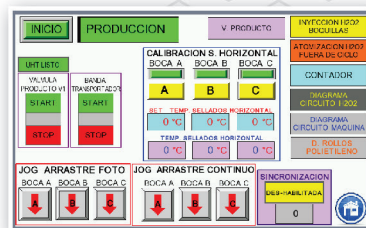
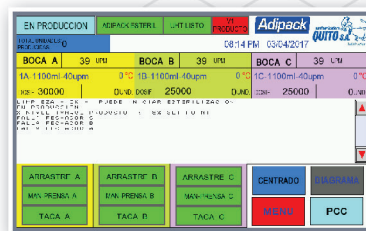
New compact design, higher control in the CIP and SIP operations. Important saving in drinking water used in washings, less washing time, control in chemical concentrations during the cleaning, and also higher reliability equipped with:

- Automatic control of washing solution concentrations.
- Automatic dosing of cleaning chemicals.
- Equipped with tank for H2O2, pump, disinfection tanks, control valves for atomization, injection, filling spout disinfection and operation control.
- Greater extraction and control of peroxide, generating a pleasant working environment.



USER FRIENDLY

- Operator panel allows to choose different recipes (pouch sizes), process stages, diagnose machine systems, visualize flowcharts, active alarms, warnings and notifications, records management, and horometers for maintenance.
- Quick format change, designed to be easily adjusted during production.
- Coordination of process stages with existing UHT sterilization systems.
- Filling heads synchronization system for shrink wrapping process.



TECHNICAL FEATURES ASEPTIC PACKAGING 1 LITER

PRODUCTION CAPACITY PER FILLING HEAD (Depending on the available polyethylene)	Max 4000 BAGS / HOUR 900 ml. 4500 BAGS / HOUR 500 ml. 5000 BAGS / HOUR 200 ml.
SIZE POUCH CAPACITY	FROM 50 ml. UP TO 1300 ml.
DOSING ACCURACY	+/- 0,2%
STEAM	4 BAR - SANITARY CLEAN STEAM
POWER	220/440 V - 3-PHASE POWER, 6 KW MINIMUM PER FILLING HEAD
COMPRESSED AIR	2,5 CFM AT 100 PSI

ASEPTIC 3 FILLING HEADS



ASEPTIC 5 LITRES

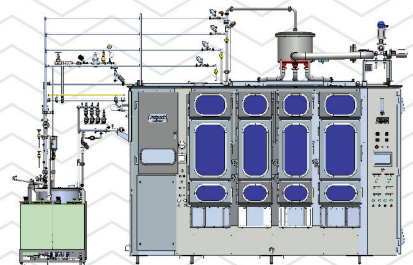
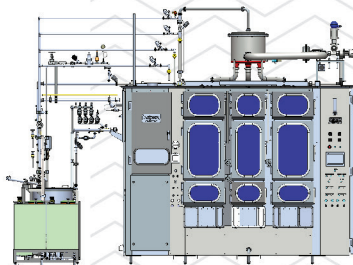
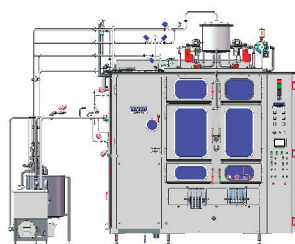
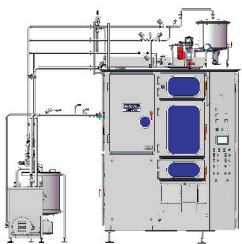


1 FILLING HEAD

2 FILLING HEADS

3 FILLING HEADS

4 FILLING HEADS



Width: 2,1 / 3,6 m
Height: 3,5 m Depth: 2 m

Width: 2,9 / 4,4 m
Height: 3,5 m Depth: 2 m

Width: 3,4 / 4,9 m
Height: 3,7 m Depth: 2 m

Width: 4 / 5,5 m
Height: 3,7 m Depth: 2 m



WE ARE SPECIALISTS IN THE MANUFACTURE OF MACHINERY FOR THE FOOD INDUSTRY

INNOVATION
QUALITY
ECONOMY
AND RELIABILITY

Adipack
ASEPTIC POUCH PACKAGING MACHINES

Carrera 13 # 59-66 Km 6
Vía B/manga-Girón
Bodegas Sión # 3 Int. Bodega 2
Girón, Santander - Colombia
Cels: +57 315 322 1848 / +57 315 208 7003
Correo: adipack@gmail.com



ADINOX S.A.
Manufactura/Supplier of. FOOD PROCESSING EQUIPMENTS

Av. El Inca 2035, Edif. San Cayetano,
Quito - Ecuador
Tel (+59 3) 2 226 6999 - (+59 3) 2 226 5892
E-mail: adinox.adipack@gmail.com



www.adinox-adipack.com