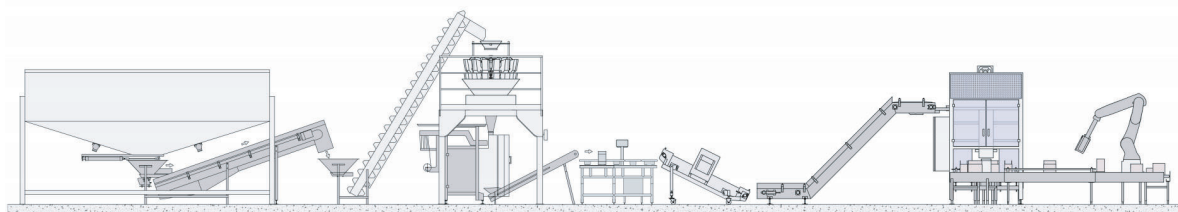




COALZA is the leading manufacturer of packaging machinery in Spain since 1963, currently operating in more than 60 countries.



SR-300 SERIES ROTARY

SR-3000

SR-300 SERIES ROTARY

The SR-300 Rotary high-performance packaging machine is designed to pack at **higher speeds** thanks to the **software improvements** and the **rotary jaws**. The perfect solution to increase production.

Thanks to the **5 servomotors** controlled by the new software, the SR-300 Rotary works in **harmonious synchronization**, allowing a **complete control of the packaging process**.

SR-300 Rotary, maximum packaging speed at a highly competitive price.

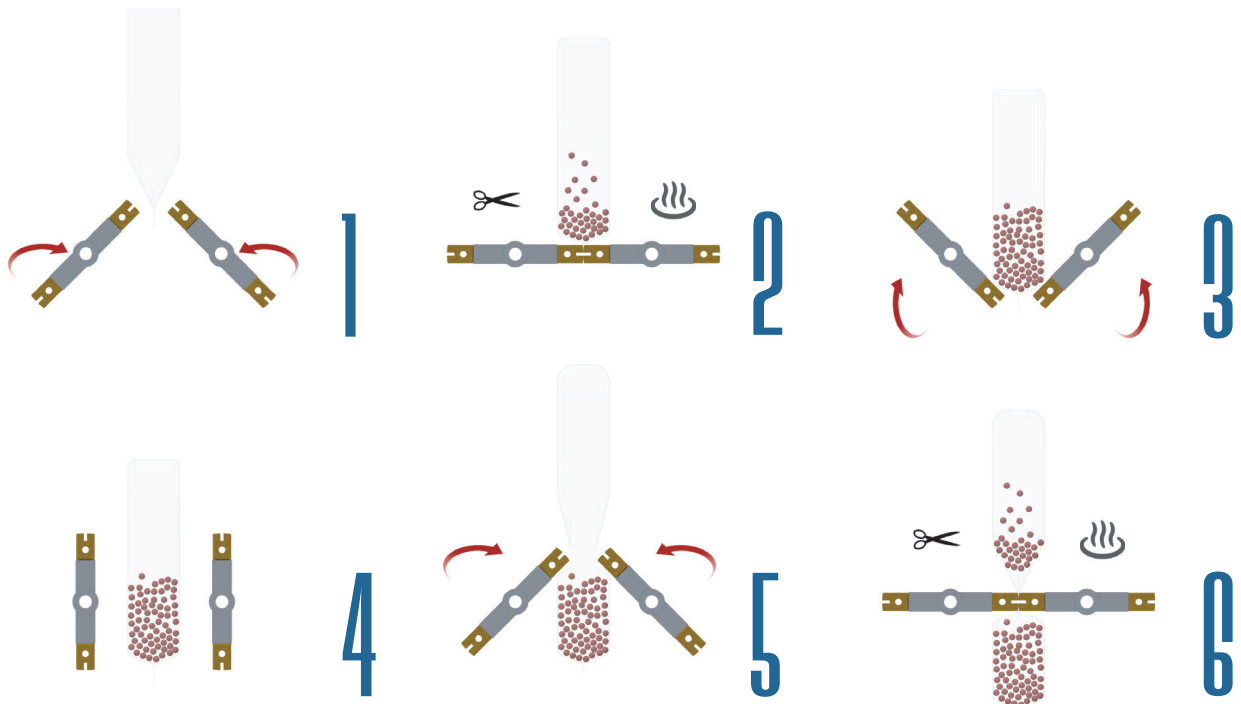


TECHNICAL IMPROVEMENTS

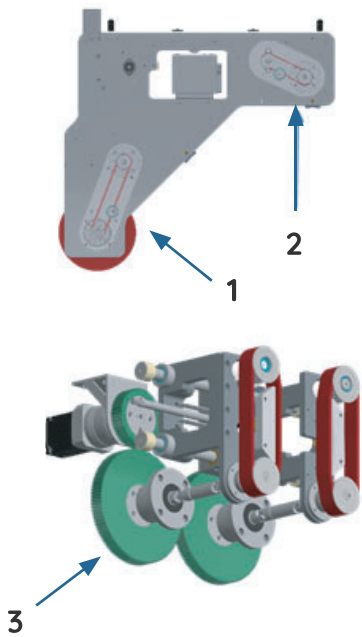
ROTARY JAWS

- Higher packaging speed (270 b.p.m).
- Welding and bag sealing 100% hermetic.
- Possibility to add strippers for vacuum effect.
- Adaptable and interchangeable depending on product and packing reel material.
- Inert atmosphere and protective packaging possible.

OPERATION OF ROTARY JAWS



FILM PROGRESS



1. REEL HOLDER

- Film tension control through servo motor
- Pneumatic
- Single arm

2. INTERMEDIATE FILM PROGRESS

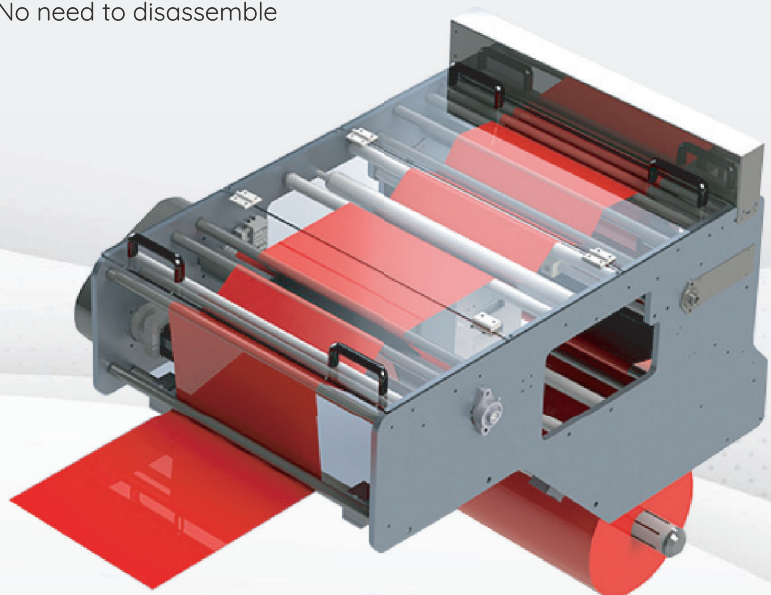
Through servo motor. It improves the unwinding and the feeding of the film favoring its constant shift.

3. FRONTAL FILM PROGRESS

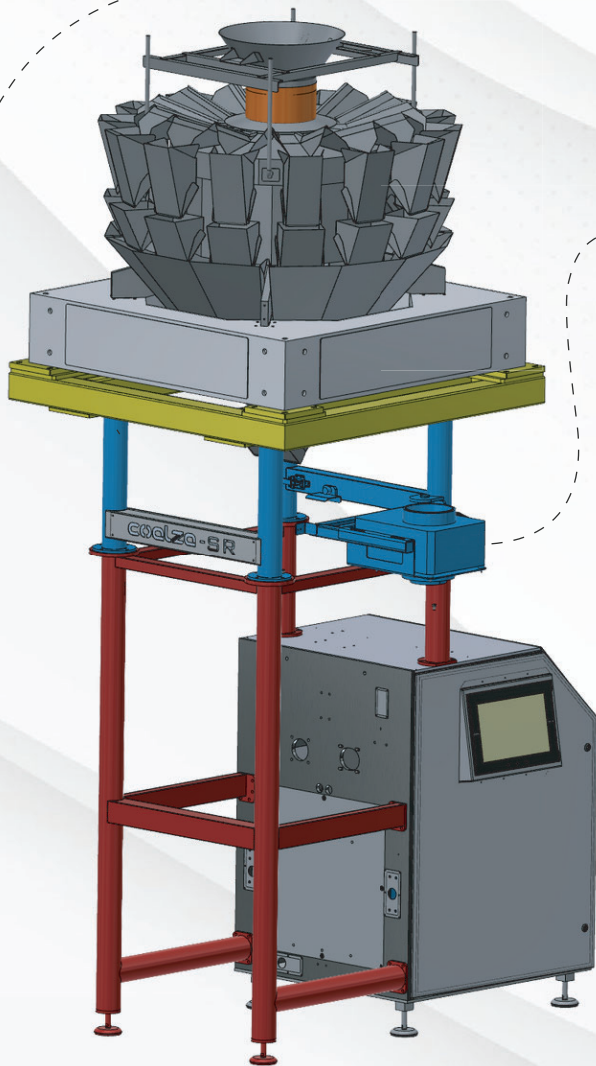
- Through vacuum belts.
- Transmission by gear train driven by servomotor
- Automatic opening and closing from software (adjustable)

REAR SHAFT

- Quick reel change with vacuum film connection.
- Spot detection through optical fiber RBG.
- Designed to integrate different types of thermal print markers.
- The roll in the middle of the rear shaft allows the film to stay centered any time. If wanted, it can shift automatically either by screen or by software by means of an electric actuator.
- Maximum safety and ergonomics for technical operators. Easy and convenient access to the rear shaft. No need to disassemble the packaging machine.



MONOBLOCK CHASSIS WITH MODULAR STRUCTURE



- Structure prepared to support multihead and retractable metal detector.
- Isolation from external vibrations.
- Financial savings by eliminating necessary components (platform not needed).
- Space optimization.
- Reduction in the dosing system (this allows packaging at high speeds).
- Metal detector with removable arm (easy maintenance and change of format).
- Monoblock chassis, with all electrical and mechanical components inside. 100% hermetic (IP65). Easy access for maintenance.

VERTICAL WELDING

- Vertical welder with driven continuous heat transfer belt through servomotor
 - Better sealing adapted for higher speeds, adapting to the film progress speed.
- Pneumatic actuation of the vertical weld adjustment. It protects the film from breakage and burning

MAXIMUM SYNCHRONIZATION

The **5 servomotors** in the SR-300 Rotary allow the utmost productivity of the packaging system. They considerably increase the productivity of the packaging machine (fewer errors, less mechanical incidents, less wear).

1. Servomotor in the rear shaft holder

It controls the film progress with maximum accuracy.

2. Servomotor in the intermediate film progress roll

The intermediate roll incorporated in the reel unwinder shaft allows a better feeding of the film.

3. Servomotor in the drive belts (direct drive by extendable cardan)

Greater precision in the film progress both before and after the sealing with little maintenance.

4. Servomotor in the vertical welding

By controlling the thermal tape by means of the servomotor, we can achieve a higher precision in the vertical welding of the packaging bags.

5. Servomotor in the jaws

By controlling the jaws through servomotor, we can achieve higher speed and precision together with a better sealing of the bags.

Lower maintenance
Costs reduction
Higher productivity

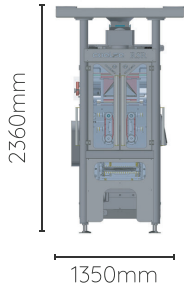
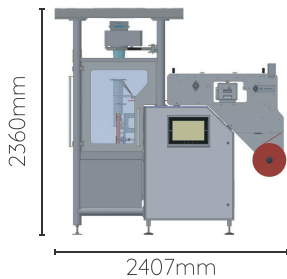
Higher control throughout the packaging
Higher reliability

NEW COALZA SOFTWARE

- Very friendly and intuitive interface
- Easy to use
- Complete control of all the parameters from the screen
- Integration and management of all the components through software (temperature control, broken bags, film usage, etc...)
- OEE calculation incorporating the measurement of the efficiency of the packaging machine in production. Possibility of integration with in-plant management system software with communication standard MQTT and OPCUA for the development of connectivity in industry 4.0
- Possibility of remote management and supervision from mobile, tablet and computer
- Control of peripherals thanks to the software entirely developed by COALZA
- Adaptation to other software
- Preventive control of the machine to avoid any breakdown

STANDARD SPECIFICATION

SR-300 ROTARY



BAG TYPE PILLOW



Adjustable width:
40mm-300mm
Adjustable length
50mm - 1000mm

| | |
|---|---|
| Max recommended mechanical speed | Max 270 bpm |
| Max bag width (mm) | 300 |
| Min recommended bag width (mm) | 40 |
| Reel max width (mm) | 640 |
| Max bag length (mm) | 1000 |
| Min bag length (mm) | 50 |
| Type of protection (electrical panel) | IP 65 |
| Security | Normative CE (98/37/CEE) - UL (optional) |
| Standard electric connection | 380V, 3F+N, 50Hz |
| Maximum energy consumption | 7kw |
| Compressed air consumption | 50-150 l/min |
| Packaging reel materials: | Complex (for other reel materials, please check) |
| Reel unwinder | Motorized with film tension adjustment |
| Spot detention system | Optical fiber |
| Film progress measurement and control | Encoder 2000 pulses |
| Drive belts actuation | Gear train driven by servo motor |
| Drive belts | With vacuum to accompany the bag. The intermediate roll in the rear shaft carries out the master movement |
| Type of blade | Progressive pressure cut |
| Vertical weld actuation | By means of pneumatic cylinders, thermal by continuous drag belt |
| Type of vertical weld | Overlapped or inverted |
| Vertical welding temperature control | Digital control via software |
| Type of probe | Termopar type J |
| Horizontal weld actuation | Servo motor with belt to gear train |
| Type of horizontal jaws | Type of horizontal jaws |
| Horizontal welding temperature control | Termopar type J |
| Control system | PLC with tactile screen 15" integracion de perifericos en control (OMRON) |
| Integration of peripherals in control | Yes |
| Machine parametrization | Via software |
| Communication | Ethernet, Ethercat and wifi |
| Integration with customer's SCADA system | Yes (optional) |

RECOMMENDED FOR:



NUTS

SNACKS AND CHIPS

FROZEN FOOD

RICE, CEREALS AND PULSES

HARDWARE

BAKERY AND PASTRY

SHORT PASTA

CANDIES AND SWEETS



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TDI Packsys

TDI Packsys is a premier provider of inspection solutions and packaging automation systems. Our expert team is dedicated to delivering state-of-the-art solutions that meet your budget. Contact us to see how we can help optimize your operation.



There's More

Inspection Systems

- Metal Detectors
- Checkweighers
- Combo Systems
- X-Rays
- Color Sorters
- Vision Systems

Packaging Automation

- Palletizers
- Form, Fill & Seal
- Scaling & Dosing
- Flow Wrappers
- Robotic Packing