

Aranco

SUCCESS CASE.

Packaging multinational bets on the digitalization of its end-of-line and improves the ergonomics and safety of stretch wrapping in its new operation.



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1. DOBLE STARTING SITUATION

THE COMPANY CONTACTS ARANCO AND DETAILS ITS NEEDS:

Automatic installation.

An important multinational company in the cardboard and plastic packaging sector, based in Seville, has an automatic stretch wrapping installation of its own, with which packs all its current production (about 53,000 pallets per year).

In view of the forthcoming entry into force of the new tax on single-use plastics, the multinational wants to reduce the film consumption of this automatic installation by using a high-performance stretch film, digital tools and a specialized technical service that will enable it to improve baling, save costs, generate less waste and have all the relevant data of its wrapping process.

Manual wrapping.

In parallel, the company has recently developed a new innovative product that it is manufacturing outside its usual production lines. The company is manually wrapping the pallets of this new product (estimated production of about 25,000 pallets per year). This manual pallet wrapping is slow and not very ergonomic, generates considerable physical effort on the part of the operators and some sick leave due to injuries, in addition to excessive film consumption, waste and high economic costs.

The multinational wants to eliminate manual pallet wrapping of the new product and automate it with a suitable stretch wrapper to improve productivity, minimize injuries, save film and costs, reduce waste, lessen the impact of the upcoming tax on single-use plastics and also have a specialized technical service and all the relevant data of the process.

2. CHALLENGES

For the pallet wrapping of its usual production lines (automatic installation), the company wants to:

- ◉ Reduce and control the cost/pallet.
- ◉ Reduce film consumption in the automatic installation of its property.
- ◉ Reduce the impact of the new tax on single-use plastics (effective 01/01/2023).
- ◉ To have real time data on the operation of the automatic installation (pallets wrapped, meters of film consumed, invoicing, etc.).
- ◉ Availability of a specialized technical service at no additional cost.



2. CHALLENGES

For the pallet stretch wrapping of its new product (manual stretch wrapping), the company wants to:

- ◻ Eliminate manual pallet wrapping of its new product pallets and replace it with automatic wrapping with an automatic stationary stretch wrapper suitable in safety and performance.
- ◻ Improve productivity.
- ◻ Reduce and control cost/pallet.
- ◻ Increase ergonomics and minimize operator sick leave.
- ◻ Reduce the amount of film used.
- ◻ Reduce the impact of the new single-use plastics tax (effective 01/01/2023).
- ◻ To have real-time data on the operation of the new automatic stretch wrapper.
- ◻ To have a specialized technical service available at no additional cost.



3. OUR SOLUTIONS:

Sod+ STRETCH WRAPPING SERVICES



For the wrapping of pallets in your own automatic installation, we offer our Sod+ Optimization and Data Service, which includes:

COMERCIAL MODEL

Installation of a film linear meter counter device (tachometer) on the customer's stretch wrapper and digital connection of the stretch wrapper to our remote monitoring system.

The review, upgrade and overhaul of the stretch wrapper:

-  **We improve the mechanical elements** of the pre-stretching carriage and other parts of the machine.
-  **We adjust the operating parameters of the stretch wrapper** (number of wraps, wrapping cycles, etc.).
-  We **optimize the use of stretch film**, eliminate shrinkage, and film breakage and achieve lower consumption, less waste and greater economic savings, guaranteeing the safety of the load.
-  The customer will save approximately **2,000 euros that until now were spent** annually on the maintenance of its stretch wrapper.

CUSTOMER WEB

Online tool with relevant data in real time of the entire wrapping process, as well as Service information: production data, economic data, invoicing, technical documentation, reports, etc.

TECHNICAL SERVICE INCLUDED:

We assume, at no additional cost to the customer, the maintenance and repairs of the stretch wrapper owned by the customer.

Immediate online and on-site technical assistance **in 24/48 hours**.

HIGH-PERFORMANCE STRETCH FILM 100% RECYCLABLE:

Deliveries of film in deposit: **the customer will only pay for the meters of film registered by the tachometer counter.**

3. OUR SOLUTIONS:

Sie+ STRETCH WRAPPING SERVICES



For the pallet wrapping the new product (new production line), we offer our Sie+ Integral Wrapping Service, which includes:

ARANCO WRAPPERS

A fixed automatic rotating arm stretch wrapper, at zero cost (in transfer of use):

-  **With the most advanced safety features:** presence detection laser that stops the machine in case of intrusion, padded bumper, etc.
-  **Equipped with automatic film** cutting and sealing devices, which improve operator ergonomics.
-  **Highly digitalized and remotely connected** to our wrapping machine monitoring system.
-  **Compact, robust and reliable, easy to maintain and repair** (we also manufacture spare parts).
-  **Manufactured by us in Spain.**

CUSTOMER WEB

Online tool with real-time relevant data of the entire wrapping process, as well as Service information: production data, economic data, invoicing, technical documentation, reports, etc.

TECHNICAL SERVICE AND PARTS INCLUDED

We assume, at no additional cost to the customer, the maintenance, repairs and parts of the stretch wrapper. Immediate online technical assistance and on-site technical assistance in **24/48 hours.**

HIGH-PERFORMANCE STRETCH FILM ON LIGHTWEIGHT REELS, 100% RECYCLABLE:

Film developed in-house specifically for our rotating arm stretch wrappers.

Only 4.84 kg per reel, for effortless placement on the wrapper.

4. CONCLUSIONS AND ADVANTAGES

Economic savings in cost/pallet:

15%

by eliminating inefficiencies in the automatic installation

our SAT optimizes the operation of the customer's automatic installation and eliminates the inefficiencies of the pre-stretching cart. The inefficiency in performance is assumed by Aranco using the €/meter system, as opposed to using the €/kg system, where the inefficiency is assumed by the customer.

19%

per year in the new operating area:

the replacement of manual stretch wrapping with an Aranco rotating arm stretch wrapper results in considerable economic savings.

Savings of:

2.000€

per year on the maintenance cost of the automatic system: with the Sod+ maintenance is included.

10.800€

annual savings in labor costs by eliminating the internal transfer of pallets from the new operation to the customer's automatic system: the new rotary arm stretch wrapper eliminates the transfer of 25,000 pallets per year. Productivity improvement.

2.500€

of film stock saved in the automatic installation: film deliveries for the customer's installation are made in stock. The customer does not assume this stock cost.

Reduction of film consumption (KG) by:

47%

per year in the automatic installation:

the use of a high-performance stretch film means reducing film consumption by almost half. Less consumption, less waste, less impact of the new single-use plastics tax.

51%

in the new operating area:

replacing manual stretch wrapping with an Aranco rotating arm stretch wrapper reduces annual stretch film consumption by more than half. Less consumption, less waste, less impact of the new tax.

Additional cost savings of:

5%

with the Web Customer:

having real-time online data on the entire stretch wrapping operation means an estimated economic saving of 5% for the customer.

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For more information.

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