

VULCOMATIC Robot

Robotic Conveyor for Vulcanized Shoes



□ Anzani's Surplus

- Maximum production organization
- Great time saving
- Large space saving
- Great energetic saving
- Full production on one conveyor
- Low working process
- Automatic heat treatments
- Automatic vulcanization
- Lasts saving (470 pairs of lasts for producing 1500 pairs of shoes in 8h)
- Improvement of the quality of the final product
- Made in Italy

□ Overview

VULCOMATIC Robot is a **timed conveyor** for all operations necessary for the production of **vulcanized shoes, from assembly to finishing**. This system combines the Vulcomatic and ATS technology, making it the most advanced system on the market for the production of vulcanized shoes.

Vulcomatic Robot is composed of **two levels**, in the **upper floor** the **assembly and finishing** phases are carried out, some operations such as pounding, roughing and cementing are carried out by the robots, others manually. Once these phases are over, an operator will put the shoes from the upper level trolleys to the **lower level** trolleys. **Automatic vulcanization and cooling** are performed on this floor. The trolleys enter and exit directly into an autoclave positioned on line, without the intervention of any operator. This conveyor, moreover, allows all the **heat treatments** to be carried out **automatically**: humidification and ironing of the upper, drying / reactivation of the glue and cold ironing.

□ Where and Why?

When the **labor cost** undermines the competitiveness of footwear manufacturers, it is necessary to invest in **robotic systems** that allow a **high labor saving and rapid amortization**.

Usually in the shoe factories the shoe assembly and the vulcanization phases are carried out in different areas, having to carry the shoes from side to side, then bring them back in the finishing area, with consequent big inefficiencies. With our system, you could **save** a lot of **space**, having the autoclave directly on the conveyor and because is not required to have a parking area area for the trolleys. Our autoclave, being smaller than those usually used, reaches the pressure faster and the treatment is shortened to about 40 minutes (in case of use of accelerators in the rubber).

This allows a potential **production increase**, an **energy saving** and a **saving of processing material**, including the **lasts**. This short treatment **decreases** the accumulation of **heat** in the **lasts**, in order to use the **chiller** to a **lower power**.