

# A.T.S. (Advanced Tracking System)



## Robotic Conveyor



### ▣ Anzani's Surplus

- Maximum production optimization
- Great time saving
- Great labour saving
- Full production on one conveyor
- Low working process
- Automatic heat treatments
- Suitable for any type of footwear
- Made in Italy

### ▣ Overview

A.T.S. (Advanced Tracking System) is a timed conveyor for all the operations necessary for the production of a shoe, from assembly to finishing.

The technological revolution brought by A.T.S. is the possibility to carry out entire operations automatically with the aid of robots. The operations carried out by the robot, directly on the chain conveyor, are **pounding, roughing, cementing of shoes and soles**. The high productivity is regulated by the operating times of the robots, which also give rhythm to manual operations. This new conveyor replaces pallet conveyors, usually used in robotics, being more **flexible, economical and versatile** for each operation. This system, 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**. A.T.S. is suitable for any type of footwear, but finds its perfect application in **large productions**, in such a way as to exploit the high productivity of robots that work directly on the conveyor trolleys. Normally it is possible to reach a production of **1200 pairs in 8 hours**, but there are experiences with peaks **up to 1800 pairs**, on a single line, in which all operations are carried out, from assembly to finishing.

For those interested in robotics, but not ready to make the investment, there is the possibility of using the conveyor as a traditional automatic conveyor, but designed to use robots for a **future upgrade**.

# A.T.S. Optional

DESCRIPTION	ELIMINATED PROBLEM	BENEFIT
<b>Steam Matic</b>		
<p>Humidifier, that makes, for shoes and boots, the functions of humidification of the upper and the reactivation of the shoe tip. This machine is provided of a control panel, for the following settings: conveyor movement, temperatures and steam distribution time. In this way the humidification will be automatically carried out by the passage of the trolleys through the tunnel, without the help of any worker.</p>	<ul style="list-style-type: none"> <li>You lose time for unloading and loading again the shoes for the humidification.</li> <li>The humidifier out of the line, occupies space useful to the movements of the operators.</li> </ul>	<ul style="list-style-type: none"> <li>Time saving.</li> <li>Space saving.</li> <li>Better organization of the space.</li> </ul>
<b>Ecojet Matic</b>		
<p>Heat setter tunnel for ironing and stabilizing the shoe with hot humid air, it is positioned directly on the ATS conveyor. The heat treatment is made through heaters, allowing a perfect ironing of the upper. The system is suitable for both shoes and boots production, keeping the same configuration. The trolleys of the conveyor will enter in the heat setter, which will give a perfect treatment for both leather or synthetic made shoes.</p>	<ul style="list-style-type: none"> <li>You lose time for unloading and loading again the shoes for the ironing.</li> <li>The heat setter out of the line, occupies space useful to the movements of the operators.</li> </ul>	<ul style="list-style-type: none"> <li>Time saving.</li> <li>Space saving.</li> <li>Better organization of the space.</li> </ul>
<b>Anidros</b>		
<p>Tunnel for primer drying, both solvent and water based, for shoes, boots and relative soles. The drying is made through hot forced air, with adjustable power. In this way the trolleys of the conveyor will pass through the tunnel and the primer drying will be made automatically.</p>	<ul style="list-style-type: none"> <li>You lose time for unloading and loading again the shoes for the primer drying.</li> <li>The natural primer drying on the line is too slow.</li> <li>The primer drying with a machine out of the line, occupies space useful to the movements of the operators.</li> </ul>	<ul style="list-style-type: none"> <li>Time saving.</li> <li>Time saving.</li> <li>Chance to shorten the conveyor.</li> <li>Space saving.</li> <li>Better organization of the space.</li> </ul>

# A.T.S. Optional

DESCRIPTION	ELIMINATED PROBLEM	BENEFIT
<b>Anidros NIR</b>		
<p>Tunnel for cement drying, both solvent and water based, for shoes, boots and relative soles. The drying is made through hot forced air, with adjustable power. In this way the trolleys of the conveyor will pass through the tunnel and the primer drying will be made automatically.</p>	<ul style="list-style-type: none"> <li>You lose time for unloading and loading again the shoes for the cement drying.</li> <li>The natural cement drying on the line is too slow.</li> <li>The cement drying with a machine out of the line, occupies space useful to the movements of the operators.</li> </ul>	<ul style="list-style-type: none"> <li>Time saving.</li> <li>Time saving.</li> <li>Chance to shorten the conveyor.</li> <li>Space saving.</li> <li>Better organization of the space.</li> </ul>
<b>Turbo Frost Matic</b>		
<p>Tunnel for cold stabilizing, for both shoes and boots, which carries out the functions of crystallization of the glue and cold stabilization, after pressing the shoe with the sole. The trolleys of the conveyor will enter in the chiller, which will give a perfect treatment for both leather or synthetic made shoes.</p>	<ul style="list-style-type: none"> <li>You lose time for unloading and loading again the shoes for the cold stabilization.</li> <li>The cold stabilization with a machine out of the line, occupies space useful to the movements of the operators.</li> </ul>	<ul style="list-style-type: none"> <li>Time saving.</li> <li>Space saving.</li> <li>Better organization of the space.</li> </ul>
<b>Electrical, air plants and motive power</b>		
<p>Installation of plants with lamps above the line, compressed air and motive power for the whole line.</p>		