

MULTIPLEX CONTACT 4.0

Footwear Assembly and Finishing System, with Trolley Stop Stations, Production Tracking Software and Self-Regulation of Heat Treatments



□ Anzani's Surplus

- Industry 4.0
- Maximum production flexibility
- Great time saving
- Low work in process
- More efficient production
- Possibility to add heat treatments online
- Suitable for any kind of footwear
- Workstation saturation
- Production time control
- Productivity increase
- Production of several articles at the same time
- Zeroing of downtime
- Made in Italy

□ Overview

MULTIPLEX CONTACT 4.0 is a **motorized chain conveyor**, equipped with stop stations for trolleys, suitable for the **assembly and finishing** of footwear.

If it is installed in the assembly department, it is possible to insert **automatic heat treatments** (humidification, heat setting, glue drying, cold stabilization).

Multiplex Contact 4.0 is an "Industry 4.0" system as, thanks to a **management software**, it is possible to set the **standard time** of each operation, to then detect the **actual production times**, as well as to set the parameters of the conveyor and the connected machines. At the loading point of the conveyor, an operator selects on a PC the article to be placed on each trolley, in this way the software will know what are the standard times of each operation and the parameters of the heat treatment machines associated with the single trolley, allowing thus the **self-regulation** of the **heat treatment machines** and the **automatic setting of the standard times** in the individual stations. After loading the material on the trolley and choosing on the PC which article it is, the trolley automatically arrives at the first station, where it is put on hold thanks to a stop station, the arriving trolleys will stop accumulating, thanks to a chain release system, assembled on the trolley itself. With a slight push, the operator moves the trolley from the stop station to the processing station, at this moment the software identifies which trolley it is and records the production time of the single operation, which is stopped, once the operator finishes the job and gives a slight push to the trolley, which re-engages the transport chain, which will take it to the next operation.

□ Dove e perché

MULTIPLEX CONTACT 4.0 is suitable for shoe factories facing **mixed production**, that is **small quantities for many articles**. In these cases, **several articles are produced at the same time** and the **use of multiple levels is recommended**, grouping articles with similar processing on each level. In this way, **maximum efficiency** will be obtained, as fast processing will not be bound to more complex processing. In addition, thanks to the stop stations, operators will be able to work on multiple levels, if they carry out a quick operation, while, in the case of a more complex operation, an operator will be assigned for each level. It also meets the needs of those who need an effective control of the production phases, providing **full production tracking**, automatically. Finally, the self-regulation of heat treatments based on the article on the trolley guarantees a **targeted and differentiated treatment** based on the type of shoe, thus providing a **guarantee of quality**.

OPTIONAL MULTIPLEX LINE

DESCRIPTION	ELIMINATED PROBLEM	BENEFIT
Steam Matic		
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.	<ul style="list-style-type: none"> You lose time for unloading and loading again the shoes for the humidification. The humidifier out of the line, occupies space useful to the movements of the operators. 	<ul style="list-style-type: none"> Time saving. Space saving. Better organization of the space.
Ecojet Matic		
Heat setter tunnel for ironing and stabilizing the shoe with hot humid air, it is positioned directly on the 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.	<ul style="list-style-type: none"> You lose time for unloading and loading again the shoes for the ironing. The heat setter out of the line, occupies space useful to the movements of the operators. 	<ul style="list-style-type: none"> Time saving. Space saving. Better organization of the space.
Anidros		
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.	<ul style="list-style-type: none"> You lose time for unloading and loading again the shoes for the primer drying. The natural primer drying on the line is too slow. The primer drying with a machine out of the line, occupies space useful to the movements of the operators. 	<ul style="list-style-type: none"> Time saving. Time saving. Chance to shorten the conveyor. Space saving. Better organization of the space.
Anidros NIR		
Tunnel for cement drying and reactivation, both solvent and water based, for shoes, boots and relative soles. The drying is made through infrared NIR lamps and hot forced air, with adjustable power. In this way the trolleys of the conveyor will pass through the tunnel and the cement drying and reactivation will be made automatically.	<ul style="list-style-type: none"> You lose time for unloading and loading again the shoes for the cement drying. The natural cement drying on the line is too slow. The cement drying with a machine out of the line, occupies space useful to the movements of the operators. 	<ul style="list-style-type: none"> Time saving. Time saving. Chance to shorten the conveyor. Space saving. Better organization of the space.

OPTIONAL MULTIPLEX LINE

DESCRIPTION	ELIMINATED PROBLEM	BENEFIT
Turbo Frost Matic		
<p>Tunnel for cold stabilizing, for both shoes and boots, which carries out the functions of crystalization of the glue and cold stabilization, after pressing the shoe with the sole.</p> <p>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"> • You lose time for unloading and loading again the shoes for the cold stabilization. • The cold stabilization with a machine out of the line, occupies space useful to the movements of the operators. 	<ul style="list-style-type: none"> • Time saving. • Space saving. • Better organization of the space.
Gas suction		
<p>Gas suction is a tunnel that allows the aspiration and the evacuation of gas, coming from solvent based glues and paintings.</p>	<ul style="list-style-type: none"> • According to the law, it is required to have a suction system for expelling the harmful substances. 	<ul style="list-style-type: none"> • Law respect. • Better air quality.
Electrical, air plants and motive power		
<p>Installation of plants with lamps above the line, compressed air and motive power for the whole line.</p>		