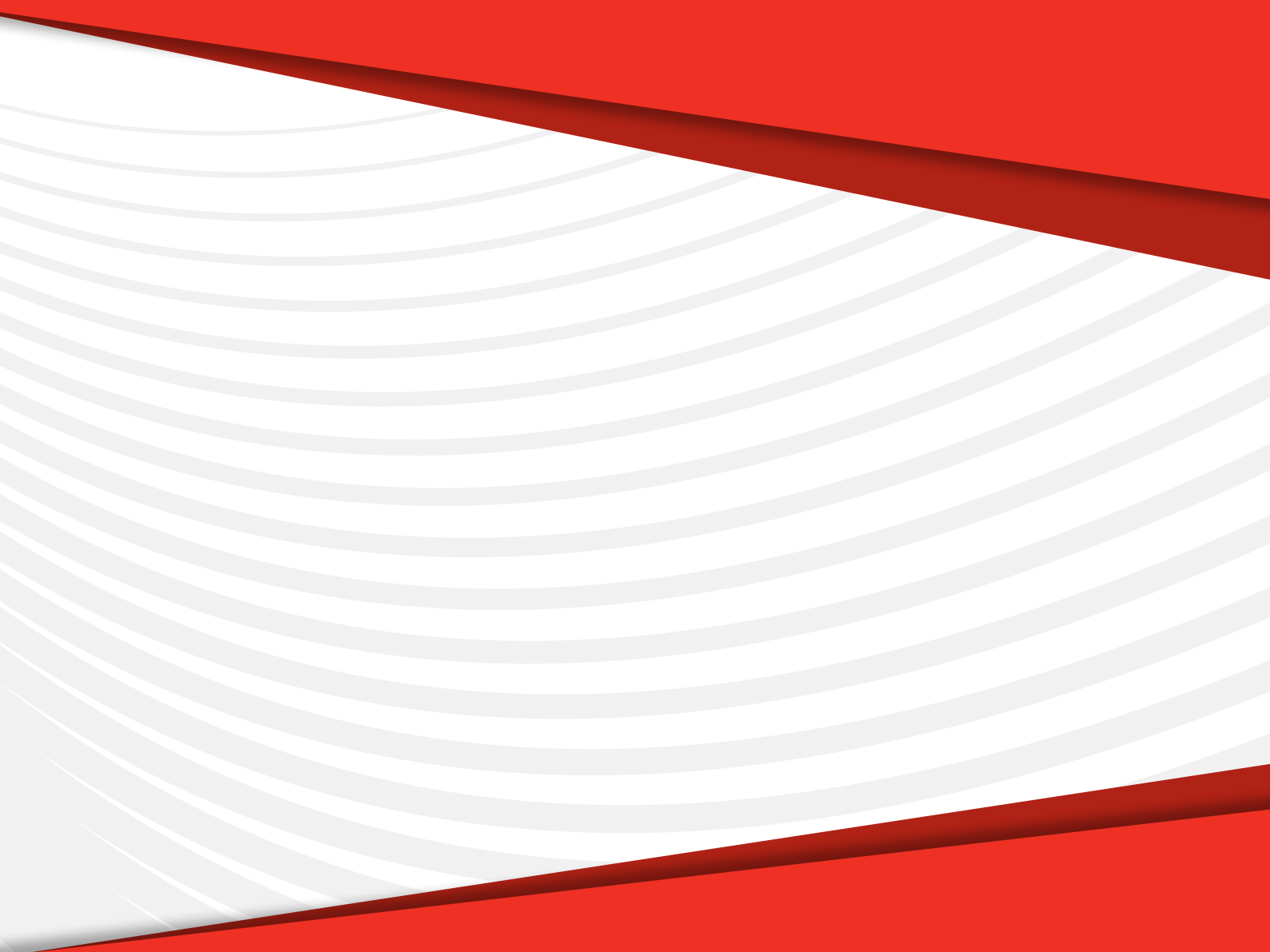
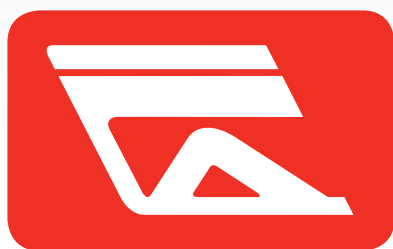


**anzani**  
MACHINERY



FOOTWEAR CATALOGUE



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# ANZANI MACHINERY

Made in Italy from 1953



## Overview

Anzani Machinery produces **machinery** for **footwear**, **apparel** and **leather** industries.

The **core business** is the production of **lasting conveyors**, **sewing conveyors** and **heat treatment machines**: conditioning, ironing, stabilization of the shoes, glue drying and reactivation.

Our production includes also a different type of machines, as like **rotary warehouses**, for storing lasts and components, **robotic systems** and **special conveyors** for the vulcanized shoes production.

The whole range of products is **sold worldwide** directly or through agents or local importers-distributors.

## Mission

Our **Mission** is to bring the **automation** advantages into the footwear firms, in order to remove the inefficiencies, keeping or improving the **quality** of the shoes.

Anzani Machinery means **passion** and **family tradition**, in fact it was established in **1953** by Giuseppe Anzani and nowadays it is still directed by 5 persons of the Anzani family. The long experience acquired next to the footwear factories allowed us to develop new **customized technologies**, for solving our customer's problems, providing machines always recognized by the whole sector for the **high quality**.

The new challenges, carried by the saturate markets with strong competition stimulate us to develop **new solutions**, in order to bring to the customer a **stronger added value**, going on with the production of high quality machines, with a specific attention to the **digitalization** and to the respect of the **environment**.

# SYSTEMS FOR UPPERS FACTORIES

The **stitching departments** often hide the most **inefficiencies** in the production realities: waiting times for the faster operations, wasted time during article changes and difficulties in managing a growing number of **different articles**. Our systems aim to reduce or **eliminate** these **inefficiencies**, providing the possibility to **trace the production** at 360 ° and analyze all the **production time**.

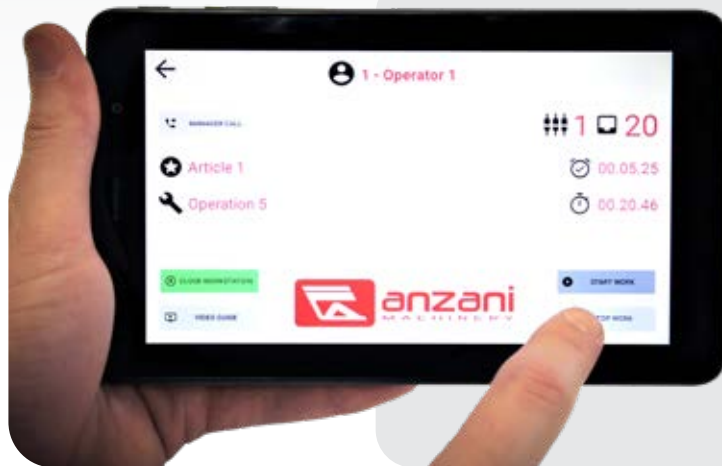
Below is a summary table about the characteristics of all our systems for uppers factories.

	LOGIMODULE	CYCLOMOVE	LOGIMOVE SEMI- AUTOMATIC	LOGIMOVE FULLY- AUTOMATIC	SUPER LATOR
Belt conveyor	x	x	✓	✓	✓
Chain conveyor	x	✓	x	x	x
Automatic boxes dispatchment	x	✓	✓	✓	x
Up to 21 workstations	✓	✓	✓	✓	✓
Over 21 workstations (up to 80)	✓	x	✓	✓	✓
Automatic storage above the line	x	x	x	✓	x
Zeroing of downtime	✓	✓	✓	✓	✓
Recording and analysis of production time	✓	✓	✓	✓	x
Automatic production tracking	x	✓	✓	✓	x
Tablet with APP for workstation management	✓	✓	✓	✓	x



# LOGIMODULE

## Production Managing Software



### ▣ Anzani's Surplus

- Continuous monitoring of the production
- More efficient production
- Maximum flexibility of use
- Maximum easiness of use
- Full reports
- Software for production management
- Suitable for any type of product
- No conveyor required
- Control of processing times
- Zeroing of downtime
- Made in Italy

### ▣ Overview

LOGIMODULE is a software for monitoring, managing and improving the production, especially suitable for little production with many types of processes, **sample rooms** and more generally to **working modules**. The system consists of a **management software** installed on the department manager's PC and an **APP** installed on **tablets** that are assigned to the operators, who will be able to accede to the APP via login or fingerprint scan, opening in this way the place of work. The APP contains many **features** including the **recording of production times** for each operator container, process and model. It's also possible to send a **request** from the tablet to the **department manager** to receive assistance, **record the time and cause of a machine breakdown**, consult the **performance history**, consult a **database** with **technical data sheets** and **videos** of the operations and see in real time if the operator is **over the standard time**. Thanks to the recordings, you can get **full reports** about the **production times** and the quantities produced, divided in working type, operator and model, the reports are available for any period required. The recorded times can be compared to standard times, in order to verify where is possible to have a productivity improvement. The software, if used for managing the sample production, is helpful for **setting standard times**, which will be used in the production phase.

LogiModule provides the same information you can get from Logimove Semi-automatic or Logimove Fully-automatic systems, but without the need to use a belt conveyor. Moreover the LogiModule's database is compatible with Logimove Semi-automatic's and Logimove Fully-automatic's databases.

### ▣ Where and Why?

The Logi Module system allows to know in detail the operational situation of any type of production, which provides for the unfold of operational stages. Furthermore, being free from the use of any conveyor, it is **extremely flexible** and suitable for many types of production. For example, its ideal location would be in **small productions** as **sample rooms** or **working modules**, where the use of a conveyor is not necessary. This will make it possible to get information about the timing of the operators, models and orders, investing only in the **software**, if the use in tandem with the conveyor is not strategic.

# LOGIMODULE Optional

DESCRIPTION	ELIMINATED PROBLEM	BENEFIT
<b>Manual racks for boxes stopover</b>		
When the boxes are waiting to be put in circle, it is possible to stock them in manual racks.	<ul style="list-style-type: none"> <li>The positioning of the waiting boxes causes mess in the plant.</li> </ul>	<ul style="list-style-type: none"> <li>Space saving.</li> <li>Greater order in the plant.</li> </ul>
<b>Training with a time and motion expert</b>		
Our technician with pluriennial experience in the footwear, leather goods and garments industries will teach to the production managers how to exploit 100% the potential of the system and will help them to achieve an increase in productivity.	<ul style="list-style-type: none"> <li>Difficulty in using the system to its maximum capacity.</li> </ul>	<ul style="list-style-type: none"> <li>Productivity increase.</li> </ul>

# CYCLOMOVE



## Production Management System for Upper Factories



### ▣ Anzani's Surplus

- Industry 4.0
- Great time saving
- Workstations saturation
- Control of the production time
- Never have to change the position of the stitching machines
- +20/30% Productivity increase
- Many models at the same time in production
- Zeroing of downtime
- Maximum production flexibility
- Made in Italy

### ▣ Overview

CYCLOMOVE is a **production management system for upper factories**, which provides for the distribution of **boxes**, equipped with bar codes, which contain the component kits to assemble the **uppers**.

The system, automatically managed by **software**, knows which operator and which machine are present in each work station and which article is contained within each box, consequently it knows which operation can be carried out in each work station. The line manager loads the box at the start of the cycle, on any free trolley, the system autonomously positions the box in front of the operator who has to carry out the first operation; at this point, a signal light turns on, informing the operator to unload the box. Once the first operation is finished, the box is put back into circulation and sent to the workstation, where the next phase will take place, the same will happen for all phases, until the work cycle is completed and the box will be automatically unloaded out of the system.

### ▣ Where and Why?

CYCLOMOVE is a system designed for **small productions** from 9 to 21 operators, to deal with the **variety of products** in **preparation** and **sewing** departments, solving all the problems of **mixed production**, with small quantities for each order. It allows to exploit the potential of the operators, in fact everyone will be able to carry out their work at maximum speed, without having to keep the speed of the slowest operator, as on the contrary occurs in traditional systems such as the continuous speed conveyor, which must be set at the speed of the slowest operation.

Thanks to the **independent distribution** of the boxes, Cyclomove will **avoid moving the sewing machines**, in case of change of the article in production. Furthermore, through the sensors present in the workstations, the **production** will be **tracked** in a completely automatic way, thus knowing the **progress of each order**, as well as the **performance** of each operator.

Cyclomove is a **lean/kaizen** system because it allows to **eliminate empty times**, **bottle necks** and to **improve daily production standards**, thanks to the **production data** provided by the software, thus constantly **increasing productivity**.

	Lt	Ext. Dim. (mm)	Int. Dim. (mm)	Base Dim. (mm)
Boxes Capacity and Dimensions	40	550x380x250	515x340x247	500x330
	50	600x400x300	560x370x297	530x340
	70	600x400x400	560x370x397	530x340

# CYCLOMOVE Optional

DESCRIPTION	ELIMINATED PROBLEM	BENEFIT
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## Tablet + APP for workstation managing

<p>Touch-screen device, located on each workstation, with an APP installed, connected to the main software, which has the following functions:</p> <ul style="list-style-type: none"> <li>• Login into the workstation through fingerprint.</li> <li>• Chance to move the workers from one workstation to another, without changing the information in the system and it gets automatically production data record.</li> <li>• Button for calling the line manager.</li> <li>• Warning light for the delay, comparing the standard time with the real time of the operation.</li> <li>• Information on the tablet about the operation to make for the box arrived at the workstation (in any workplace, it is possible to make more than one operation).</li> <li>• Video database of the operations.</li> <li>• Personal performance sight by the operator.</li> <li>• Machine breakdown reporting.</li> </ul>	<ul style="list-style-type: none"> <li>• If it is required to move the workers, you have to change the information in the system.</li> <li>• The communication between the line manager and the workstations in back of the conveyor is difficult.</li> <li>• The workers don't realize if they are following the correct rhythm.</li> <li>• The operators aren't sure how to carry out the operation and they have to ask advise.</li> <li>• The operators don't remember how to make an operation of a new style.</li> <li>• The operators don't exactly know how efficient they are.</li> <li>• It is required to manually report the machine breakdown.</li> </ul>	<ul style="list-style-type: none"> <li>• Time saving.</li> <li>• Maximum flexibility.</li> <li>• Time saving.</li> <li>• Greater efficiency of the line.</li> <li>• Time saving.</li> <li>• Greater efficiency of the line.</li> <li>• Time saving.</li> <li>• Time saving.</li> <li>• Higher involvement of operators.</li> <li>• Time saving.</li> </ul>
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## Software for the control and the analysis of the production time

<p>The software will allow you to control in both real-time and ex-post, all the production time, filtering the searches for operator, article, box number and operation. It will be also possible to check the efficiency percentage of each operator, as the system compares the real-time with a standard time previously chosen. All this will allow to have a total production control, in such a way as to make it as efficient as possible. This option is also implementable at a later stage.</p>	<ul style="list-style-type: none"> <li>• There are no precise information about the operator.</li> <li>• There is a quality problem, nobody knows who did the mistake.</li> <li>• Need somebody, who times all the working phases, in order to get information.</li> </ul>	<ul style="list-style-type: none"> <li>• Better control of the line.</li> <li>• Quality increase and time saving.</li> <li>• Labour saving.</li> </ul>
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# CYCLOMOVE Optional

DESCRIPTION	ELIMINATED PROBLEM	BENEFIT
<b>Manual racks for boxes stopover</b>		
When the boxes are waiting to be put in circle, it is possible to stock them in manual racks.	<ul style="list-style-type: none"> <li>The positioning of the waiting boxes causes mess in the plant.</li> </ul>	<ul style="list-style-type: none"> <li>Space saving.</li> <li>Greater order in the plant.</li> </ul>
<b>Electrical, air plants and motive power</b>		
Installation of plants with lamps above the line, compressed air and motive power for the whole line.		
<b>Training with a time and motion expert</b>		
Our technician with pluriennial experience in the footwear, leather goods and garments industries will teach to the production managers how to exploit 100% the potential of the system and will help them to achieve an increase in productivity.	<ul style="list-style-type: none"> <li>Difficulty in using the system to its maximum capacity .</li> </ul>	<ul style="list-style-type: none"> <li>Productivity increase.</li> </ul>

# LOGIMOVE Semi-automatic



## Production Management System for Upper Factories



### □ Anzani's Surplus

- Industry 4.0
- Great time saving
- Workstations saturation
- Control of the production time
- Never have to change the position of the stitching machines
- +20/30% Productivity increase
- Many models at the same time in production
- Zeroing of downtime
- Maximum production flexibility
- Made in Italy

### □ Overview

LOGIMOVE Semi-automatic is a **production management system for upper factories**, which provides for the distribution of **boxes**, equipped with bar codes, which contain the component kits to assemble the **uppers**.

The system, automatically managed by **software**, knows which operator and which machine are present in each work station and which article is contained within each box, consequently it knows which operation can be carried out in each work station. The line manager loads the box at the start of the cycle, on the conveyor belt, the system autonomously delivers the box to the operator who has to carry out the first operation. Once the first operation is finished, the box is put back into circulation and sent to the workstation, where the next phase will take place, the same will happen for all phases, until the work cycle is completed and the box will be automatically unloaded out of the system. In the event that the system has to deliver a box to an occupied workstation, that is, already saturated with 2 boxes, the box to be delivered will be temporarily released from the system. Once the workstation is free, the software will inform the line manager to reload this box on the conveyor belt.

### □ Where and Why?

LOGIMOVE Semi-automatic is a system designed for **medium-big productions** from 22 to 80 operators, to deal with the **variety of products** in **preparation** and **sewing** departments, solving all the problems of **mixed production**, with small quantities for each order. It allows to exploit the potential of the operators, in fact everyone will be able to carry out their work at maximum speed, without having to keep the speed of the slowest operator, as on the contrary occurs in traditional systems, such as the continuous speed conveyor, which must be set at the speed of the slowest operation.

Thanks to the **independent distribution** of the boxes, Logimove Semi-automatic will **avoid moving the sewing machines**, in case of change of the article in production. Furthermore, through the sensors present in the workstations, the **production** will be **tracked** in a completely automatic way, thus knowing the **progress of each order**, as well as the **performance** of each operator.

Logimove Semi-automatic is a **lean/kaizen** system because it allows to **eliminate empty times, bottle necks** and to **improve daily production standards**, thanks to the **production data** provided by the software, thus constantly **increasing productivity**.

	Lt	Ext. Dim. (mm)	Int. Dim. (mm)	Base Dim. (mm)
Boxes Capacity and Dimensions	40	550x380x250	515x340x247	500x330
	50	600x400x300	560x370x297	530x340
	70	600x400x400	560x370x397	530x340

# LOGIMOVE Fully-automatic

## Production Management System for Upper Factories



### ▣ Anzani's Surplus

- Industry 4.0
- Great time saving
- Workstations saturation
- Control of the production time
- Never have to change the position of the stitching machines
- +20/30% Productivity increase
- Many models at the same time in production
- Zeroing of downtime
- Maximum production flexibility
- Made in Italy

### ▣ Overview

LOGIMOVE Fully-automatic is a production management system for upper factories, which provides for the distribution of boxes, equipped with bar codes, which contain the component kits to assemble the uppers.

The system, automatically managed by software, knows which operator and which machine are present in each work station and which article is contained within each box, consequently it knows which operation can be carried out in each work station. The line manager loads the box at the start of the cycle, on the conveyor belt, the system autonomously delivers the box to the operator who has to carry out the first operation. Once the first operation is finished, the box is put back into circulation and sent to the workstation, where the next phase will take place, the same will happen for all phases, until the work cycle is completed and the box will be automatically unloaded out of the system.

Logimove Fully-automatic is equipped with an overhead warehouse, which allows you to store the boxes and facilitate the workflow. In this way the boxes will never leave the system, until the uppers are completed, unless you want to perform a quality check, retrieving the boxes at any time.

### ▣ Where and Why?

LOGIMOVE Fully-automatic is a system designed for medium-big productions from 22 to 80 operators, to deal with the variety of products in preparation and sewing departments, solving all the problems of mixed production, with small quantities for each order. It allows to exploit the potential of the operators, in fact everyone will be able to carry out their work at maximum speed, without having to keep the speed of the slowest operator, as on the contrary occurs in traditional systems, such as the continuous speed conveyor, which must be set at the speed of the slowest operation.

Thanks to the independent distribution of the boxes, Logimove Fully-automatic will avoid moving the sewing machines, in case of change of the article in production. Furthermore, through the sensors present in the workstations, the production will be tracked in a completely automatic way, thus knowing the progress of each order, as well as the performance of each operator.

Logimove Fully-automatic is a lean/kaizen system because it allows to eliminate empty times, bottle necks and to improve daily production standards, thanks to the production data provided by the software, thus constantly increasing productivity.

	Lt	Ext. Dim. (mm)	Int. Dim. (mm)	Base Dim. (mm)
Boxes Capacity and Dimensions	40	550x380x250	515x340x247	500x330
	50	600x400x300	560x370x297	530x340
	70	600x400x400	560x370x397	530x340

# LOGIMOVE Optional

DESCRIPTION	ELIMINATED PROBLEM	BENEFIT
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## Display + APP for workstation managing

<p>Touch-screen device, located on each workstation, with an APP installed, connected to the main software, which has the following functions:</p> <ul style="list-style-type: none"> <li>• Login into the workstation through fingerprint.</li> <li>• Chance to move the workers from one workstation to another, without changing the information in the system and it gets automatically production data record.</li> <li>• Button for calling the line manager.</li> <li>• Warning light for the delay, comparing the standard time with the real time of the operation.</li> <li>• Information on the display about the operation to make for the box arrived at the workstation (in any workplace, it is possible to make more than one operation).</li> <li>• Video database of the operations.</li> <li>• Personal performance sight by the operator.</li> <li>• Machine breakdown reporting.</li> </ul>	<ul style="list-style-type: none"> <li>• If it is required to move the workers, you have to change the information in the system.</li> <li>• The communication between the line manager and the workstations in back of the conveyor is difficult.</li> <li>• The workers don't realize if they are following the correct rhythm.</li> <li>• The operators aren't sure how to carry out the operation and they have to ask advise.</li> <li>• The operators don't remember how to make an operation of a new style.</li> <li>• The operators don't exactly know how efficient they are.</li> <li>• It is required to manually report the machine breakdown.</li> </ul>	<ul style="list-style-type: none"> <li>• Time saving.</li> <li>• Maximum flexibility.</li> <li>• Time saving.</li> <li>• Greater efficiency of the line.</li> <li>• Time saving.</li> <li>• Greater efficiency of the line.</li> <li>• Time saving.</li> <li>• Time saving.</li> <li>• Higher involvement of operators.</li> <li>• Time saving.</li> </ul>
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## Manual racks for boxes stopover

<p>When the boxes are waiting to be put in circle, it is possible to stock them in manual racks.</p>	<ul style="list-style-type: none"> <li>• The positioning of the waiting boxes causes mess in the plant.</li> </ul>	<ul style="list-style-type: none"> <li>• Space saving.</li> <li>• Greater order in the plant.</li> </ul>
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## 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>		
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## Training with a time and motion expert

<p>Our technician with pluriennial experience in the footwear, leather goods and garments industries will teach to the production managers how to exploit 100% the potential of the system and will help them to achieve an increase in productivity.</p>	<ul style="list-style-type: none"> <li>• Difficulty in using the system to its maximum capacity.</li> </ul>	<ul style="list-style-type: none"> <li>• Productivity increase.</li> </ul>
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# SUPER LATOR

## Semiautomatic Belt Conveyor



### ▣ Anzani's Surplus

- Time saving
- Efficient production
- Maximum production flexibility
- Suitable for any type of footwear
- Made in Italy

### ▣ Overview

SUPER LATOR is a **belt conveyor**, that provides for the **distribution of containers** with semi-finished goods by means of a continuous cycle (workstation - storage area and viceversa) following the sequence of work of each article inside the container. The **load and unload** of the containers is carried out **by an operator**, who, also, sends the containers to the workstations, through a control panel.

### ▣ Where and Why?

SUPER LATOR is the first step for automation in the **sewing conveyors**. It allows to let each operator work at his **maximum speed** and to keep the position of each machine, even in case of changing the style in production; this could be done thanks to the sending of the boxes directly to the workstations. The load, the unload and the sending of the boxes are made by the managing operator, by whom will depend the good functioning of the system. Super Lator is a good solution for those who want to take advantage of the flexibility of the Lator system, without investing in the functions of automatic despatching and time control.

	Lt	Ext. Dim. (mm)	Int. Dim. (mm)	Base Dim. (mm)
Boxes Capacity and Dimensions	40	550x380x250	515x340x247	500x330
	50	600x400x300	560x370x297	530x340
	70	600x400x400	560x370x397	530x340

# SYSTEMS FOR ASSEMBLY AND FINISHING

The **assembly** department in **footwear** factories is often organized with continuous speed conveyors or manual trolleys, regardless of the type of shoe that is produced. We believe that it is **necessary to adapt the systems to organize assembly, based on the customer's production type**, with the **aim of increasing control, productivity and quality**.

Below is a summary table regarding the characteristics of all our assembly systems.

	AUTOSTORE	MULTIPLEX	MULTIPLEX MATIC	MULTIPLEX CONTACT	MULTIPLEX CONTACT 4.0	VULCOMATIC	DRY MATIC
Lasts and materials storage	✓	✗	✗	✗	✗	✗	✗
Automatic humidification	✗	✓	✓	✓	✓	✗	✗
Automatic heat setting	✗	✓	✓	✓	✓	✗	✗
Automatic cement drying- reactivation	✗	✓	✓	✓	✓	✓	✓
Automatic cooling	✗	✓	✓	✓	✓	✓	✓
Automatic Vulcanization	✗	✗	✗	✗	✗	✓	✗
Up to 2 floors	✗	✓	✓	✓	✓	✓	✗
Over 2 floors (up to 4)	✗	✓	✓	✓	✓	✗	✗
Adjustable chain speed	✗	✓	✗	✗	✗	✓	✗
Timed stops	✗	✗	✓	✗	✗	✓	✓
Fixed chain speed with stops for trolleys	✗	✗	✗	✓	✓	✗	
RFID system	✗	✗	✗	✗	✓	✗	✗
Automatic setting of heat treatments	✗	✗	✗	✗	✓	✗	✗
Automatic setting of standard time	✗	✗	✗	✗	✓	✗	✗
Automatic production tracking	✗	✗	✗	✗	✓	✗	✗
Operator performance recording	✗	✗	✗	✗	✓	✗	✗



# AUTOSTORE

## Automatic Rotary Storage



### □ Anzani's Surplus

- Large space saving
- Great time saving
- View on the display of the materials in each container
- More efficient production
- Suitable for any type of footwear
- Made in Italy

### □ Overview

**AUTOSTORE** is an **automatic rotary store** for equipment storage, usually **lasts, insoles, heels and soles**, it is used in both shoe factories and apparel factories. It consists of a sequence of rotary multi-levels columns with 4 or 5 bins each and one programmable control panel with digital display for the **automatic search** and positioning of the column, with the required items, in front of the loading/unloading point. Thanks to an electronic selector, both **load and unload** of lasts, insoles, heels, soles and other equipment, can be carried out without moving from the load/unload point.

### □ Where and Why?

**AUTOSTORE** is particularly effective in footwear firms where the available space is lacking, in fact it allows to **thin the space** occupied by traditional warehouses for lasts and to **improve the order** and the relevant department **organization**, thanks to the **semi-automatic management** of lasts. Autostore located next to the start of the assembly conveyor allows the arrival of the lasts to the worker who applies the insoles without searching the same.

Configuration for Last-Holder				Dimensions and Weight			
Columns	Bins	Pairs/Man	Pairs/Ladies	Lenght	Width	Height	Weight
10	40	960	1200	3800	1950	1700	780
12	48	1152	1440	4300	1950	1700	920
16	64	1344	1680	5300	1950	1700	1200
20	80	1920	2400	6300	1950	1700	1485
24	96	2304	2880	7300	1950	1700	1770
30	120	2880	3600	8800	1950	1700	2200
36	144	3456	4320	10300	1950	1700	2630

# AUTOSTORE Optional

DESCRIPTION	ELIMINATED PROBLEM	BENEFIT
<b>Removable columns on wheels</b>		
Each column with 4 or 5 containers can be extracted from the system and moved on wheels to allow a simpler exchange of lasts, for example during the season change.	<ul style="list-style-type: none"> <li>The space in the system is not sufficient to contain all the lasts, so it is necessary to move them from the system to the warehouse.</li> </ul>	<ul style="list-style-type: none"> <li>Maximum flexibility</li> <li>Time saving</li> <li>More order</li> </ul>
<b>Dividers inside the containers</b>		
Installation of dividers inside the containers to allow a more orderly storage of materials and insert different materials in each container.	<ul style="list-style-type: none"> <li>Storing different types of materials in the same container creates confusion.</li> <li>I have to store more materials, in small quantities, in the same container.</li> </ul>	<ul style="list-style-type: none"> <li>Maximum flexibility</li> <li>Time saving</li> <li>More order</li> </ul>



# MULTIPLY

## Continuous Speed Conveyor for Footwear Assembly and Finishing



### □ Anzani's Surplus

- Customizable trolleys
- Great time saving
- Low work in process
- More efficient production
- Possibility to add heat treatments online
- Suitable for any kind of footwear
- Made in Italy

### □ Overview

MULTIPLY is a **motorized chain conveyor**, for the **assembly and finishing** of footwear.

The trolleys are positioned equidistant from each other (usually filling the entire conveyor). The **speed is continuous and adjustable**, in order to establish the production rhythms. The conveyor can be configured **from 1 to 4 floors**, with the possibility of adjusting the speed of each floor independently, equipping each floor with its own motor. The **trolleys** are completely **customizable**, based on the type of processing to be carried out.

As optional you can add **overhead plants** for lighting, air, motive power and **automatic heat treatments** (humidification, heat setting, glue drying, cold stabilization).

### □ Where and Why?

MULTIPLY, if configured with only **1 level**, is suitable for shoe factories that have a non-fragmented production, that is **large quantities for few models**. In this way the conveyor will be loaded with the same article and the speed of the chain will be set according to the speed of the operations of that article.

In the case of the **production of several articles at the same time**, it is **recommended to use multiple levels**, grouping articles with similar processing on each level.

# MULTIPLEX MATIC

## Timed Stops Conveyor for Footwear Assembly and Finishing



### ▣ Anzani's Surplus

- Customizable trolleys
- Great time saving
- Low work in process
- More efficient production
- Possibility to add heat treatments online
- Suitable for any kind of footwear
- Made in Italy

### ▣ Overview

MULTIPLEX MATIC is a **motorized chain conveyor**, for the **assembly and finishing** of footwear.

The trolleys move by one step at each **pre-established time interval**, in order to establish the production rhythms. The conveyor can be configured **from 1 to 4 floors**, with the possibility of adjusting the speed of each floor independently, equipping each floor with its own motor.

The **trolleys** are completely **customizable**, based on the type of processing to be carried out.

As optional you can add **overhead plants** for lighting, air, motive power and **automatic heat treatments** (humidification, heat setting, glue drying, cold stabilization).

### ▣ Where and Why?

MULTIPLEX MATIC is suitable for shoe factories that have a non-fragmented production, that is **large quantities for few models**. In this way the conveyor will be loaded with the same article and the speed of the chain will be set according to the speed of the operations of that article. In the case of the **production of several articles at the same time**, it is **recommended to use multiple levels**, grouping articles with similar processing on each level.



VIDEO

# MULTIPLEX CONTACT

Continuous Speed Conveyor for Footwear Assembly and Finishing



## □ Anzani's Surplus

- Maximum production flexibility
- Customizable trolleys
- 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 of several articles at the same time
- Made in Italy

## □ Overview

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

The trolleys are transported by the chain, but when they meet a stop station, thanks to a release system, they stop, no longer being pulled by the chain. The trolleys that arrive afterwards will stop accumulating, thanks to a chain release system, assembled on the trolley itself. At this point the operator, who is in front of the stop station, will be able to carry out his operation and, once finished, just give a slight push to the trolley, which will hook again to the chain, in such a way as to transport it to the next stop station.

The conveyor can be configured **from 1 to 4 floors**, with the possibility of adjusting the speed of each floor independently, equipping each floor with its own motor.

The **trolleys** are completely **customizable**, based on the type of processing to be carried out. As optional you can add **overhead plants** for lighting, air, motive power and **automatic heat treatments** (humidification, heat setting, glue drying, cold stabilization).

## □ Where and Why?

MULTIPLEX CONTACT 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.

# 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
<b>Steam Matic</b>		
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"> <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>		
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"> <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>		
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"> <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>
<b>Anidros NIR</b>		
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"> <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>

# OPTIONAL MULTIPLEX LINE

DESCRIPTION	ELIMINATED PROBLEM	BENEFIT
<b>Turbo Frost Matic</b>		
<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"> <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>Gas suction</b>		
<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"> <li>• According to the law, it is required to have a suction system for expelling the harmful substances.</li> </ul>	<ul style="list-style-type: none"> <li>• Law respect.</li> <li>• Better air quality.</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>		



VIDEO

# VULCOMATIC

System for Assembly, Automatic Vulcanization and Finishing of Rubber Shoes



## □ Anzani's Surplus

- Industry 4.0
- Maximum production organization
- Great time and labour saving
- Large space saving
- Great energetic saving
- Full production on one conveyor
- Low work in 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** is a **timed chain conveyor**, which hosts the **assembly, vulcanization and finishing-packaging** phases for **vulcanized rubber shoes and boots**.

Vulcomatic consists of **two levels**, on the **upper level** the **assembly** takes place, the last operator of the assembly phase will move the shoes from the trolleys on the upper level to those on the lower level. On this level, **automatic vulcanization** and **cooling** take place. The trolleys enter and exit directly in an autoclave positioned online, without the intervention of any operator. This system also allows you to carry out all **heat treatments automatically**: humidification, heat setting, drying / reactivation of the glue and cold stabilization. Once the lasts have been removed from the footwear, they can be moved back upstairs to carry out the **finishing** phases, in such a way as to have a **single integrated system** for all the production phases: assembly, vulcanization and finishing.

## □ Where and Why?

Usually in shoe factories the shoe assembly phase and the vulcanization phase are carried out in different areas, having to transport the shoes from one side to the other, and then bring them back to the finishing area, with consequent great inefficiencies.

With our system, you save a lot of space, having the **autoclave directly on the conveyor** and no longer needing an area to park the transport trolleys. Our autoclave, having a smaller diameter than those usually used, reaches the correct pressure faster and the treatment is shortened up to 40 minutes, compared to the traditional 60/80 minutes. This leads to a potential **increase in production, energy savings, savings in the work in process**, including the necessary lasts. This short treatment decreases the accumulation of heat in the lasts, thus allowing the chiller to be used later at a lower power.

# DRY MATIC

## Timed Stops Conveyor for Footwear Assembly and Finishing



### □ Anzani's Surplus

- Industry 4.0
- Great time saving
- Low work in process
- More efficient production
- Possibility to add heat treatments online
- Suitable for any kind of footwear
- Ultra-fast glue drying
- Best bonding tests
- Vacuum system
- Made in Italy

### □ Overview

DRY MATIC is a **motorized chain conveyor**, for the **assembly and finishing** of footwear.

The trolleys move by one step at each **pre-established time interval**, in order to establish the production rhythms. The peculiarity of Dry Matic is in the trolleys, equipped with a special structure, which allows the insertion of a glue drying/reactivation tunnel, with vacuum technology.

As optional you can add **overhead plants** for lighting, air, motive power and **automatic heat treatments** (humidification, heat setting, glue drying, cold stabilization).

### □ Where and Why?

DRY MATIC is suitable for shoe factories that have a non-fragmented production, that is **large quantities for few models**. In this way the conveyor will be loaded with the same article and the speed of the chain will be set according to the speed of the operations of that article. The **vacuum** environment provides the **ideal conditions** in which to perform the **drying/reactivation** of **both solvent and water based glue**, eliminating all the difficulties arising from the climatic conditions inside the production area. This methodology guarantees excellent bonding tests, making this system recommended for those who produce shoes that are heavily stressed.

#### Technical Features

		DryMatic
Output in 8 Hours	Paia	one coat 1760 - two coat 1280
Rated Power	Kw	37
Average Power	Kw	24
Air Consumption	NL	8



# HEAT TREATMENT

The uppers, especially if leather made, require **heat treatments** that allow to **iron and stabilize it on the last**. Mainly there are two types of treatments, one hot and one cold, which are made by machines with different types of technology. After lasting the upper on the last, you need to make a heating cycle, which allows the leather to stretch and overlap better to the last, avoiding the presence of wrinkles. At the end of the shoe assembly, after the press, it is necessary to perform a cold treatment with the appropriate chiller, in such a way as to allow the **stabilization** of the upper and the **crystallization of the glue**.

Below there is a summary table about the characteristics of all our heat treatment machines.

	ECOJET	VTJ 1000	VTJ 2000	VTJ 3000	TURBO FROST
Hot ironing and stabilization	✓	✓	✓	✓	✗
Cold ironing and stabilization	✗	✗	✗	✗	✓
Moccasin drying	✗	✗	✗	✗	✗
NIR lamps system	✓	✗	✗	✗	✗
Vacuum system	✗	✓	✓	✓	✗
Heaters system	✓	✓	✓	✓	✗
Power saving	✓	✗	✗	✗	✗
Up to 1200 pairs	✓	✗	✓	✓	✓
Over 1200 pairs	✓ (double chamber)	✗	✓	✓	✓
Steam use	✓	✓	✓	✓	✗

# ECOJET



## Heat Setter for the Shoe Ironing and Stabilization



### □ Anzani's Surplus

- Excellent quality of the final result
- Great energy saving, only 6 KW consumption
- NIR lamps system for leather
- Heaters system for synthetic
- System for heat anti-loss
- Boiler system, for steam production
- Easy and quick inspection, for best maintenance
- Full regulation possibility
- It avoids the detachment of the upper glued with neoprene
- Made in Italy

### □ Overview

ECOJET is a **heat setter for ironing and stabilization** of the shoe with forced humid hot air, located after the heel seat lasting. Thanks to a technological innovation, Ecojet replaced Turbojet, recognized around the world for its reliability and its excellent results. The heat treatment is made by **NIR infrared lamps**, that allow a very fast treatment, avoiding heat accumulation inside the last and therefore with an important reduction of the power consumption. The system is suitable for both shoes and boots production and could be used both next to traditional conveyor systems and in Rink systems. Ecojet is available in two versions: with one channel (Ecojet 1), two channels (Ecojet 2) or in the version Ecojet 2500, for producing 2500 pairs of shoes in 8 hours.

### □ Where and Why?

ECOJET is a complete machine, **very flexible** and suitable for different applications, in fact thanks to the double **NIR lamps/heaters system** is capable of treating different productions, either synthetic or leather. **Consumptions** are **very low** and scattered energy is minimized thanks to a special system expressly made. **Maintenance** is **simple** with the possibility to open the machine without disassemble it. The sides that can be opened allow to easily reach every corner of the treatment chamber, which is impossible in all the ovens on the market; this special feature allows to considerably **extend the lifetime of the machine**.

#### Technical Features

		ECOJET 1	ECOJET 2	ECOJET 2500
Output in 8 Hours	Pairs	800	1600	2500
Rated Power	Kw	7	21	23
Average Power	Kw	3,5	6	11,5
Treatment Cycle	Sec.	18	18	18
Dimensions	mm	1670x470x1100H	2150x820x1100H	3506x820x1100H

# ECOJET 2 Optional

DESCRIPTION	ELIMINATED PROBLEM	BENEFIT
<b>Ecojet Touch</b>		
<p>Integration of a touch screen, which contains several preset programs and editable to treat various types of leather, by changing the running program, without having to manually change the settings of the machine. By selecting the various programs, the heat setter will use the system with ultrared NIR lamps, in case of resistant material, while it will use the system with heaters, in case of sensitive materials.</p> <p>It will be possible to choose a program for each of the channels in Ecojet, having also the possibility to set an independent speed for each channel.</p>	<ul style="list-style-type: none"> <li>• The heat setter with the standard settings doesn't provide the perfect treatment to all kind of materials.</li> <li>• With many styles in production, it is too laborious to change the heat setter settings every time.</li> <li>• I cannot carry out two different treatments at the same time, for two different styles.</li> </ul>	<ul style="list-style-type: none"> <li>• Quality increase.</li> <li>• Time saving.</li> <li>• Maximum flexibility.</li> <li>• Time saving.</li> </ul>

# VTJ

## Vacuum Heat Setter



### □ Anzani's Surplus

- Excellent quality of the final result
- Vacuum system
- High production
- Full regulation possibility
- Made in Italy

### □ Overview

VTJ is a **vacuum system** for **ironing** and **stabilization** of the **upper** on last, through the following treatments:

- Vacuum creation in hermetic chamber
- High pressure steam input, for softening the upper
- Ironing with hot forced air ventilation
- Drying and stabilization in vacuum chamber

These 3 functions are carried out in **3 different treatment chambers**. VTJ is available in three different versions: VTJ1000, VTJ2000, VTJ3000. The difference between the three solutions is the number of pairs, produced in 8 hours, respectively 1000, 2000 e 3000.

### □ Where and Why?

VTJ represents the ideal solution for those who need a **perfect treatment** for ironing uppers, perhaps for **particular products**, difficult to treat with ovens of new generation. The drawback of ovens with vacuum system is the high consumption compared to new heat setters like Ecojet.

#### Technical Features

		VTJ 1000	VTJ 2000	VTJ 3000
Output in 8 Hours	Pairs	1000	2000	3000
Rated Power	Kw	20,3	43	50
Average Power	Kw	15	25	28
Air Consumption	NL	1	6	6
Water Consumption	Lt/hours	2	1	2
Dimensions	mm	1800x1400x1630	3250x1400x1850	4500x1500x1900
Net Weight	Kg	800	1700	2100

# TURBO FROST

## Chiller



### □ Anzani's Surplus

- Excellent quality of the final result
- Full regulation possibility
- Cold treatment
- More efficient production

### □ Overview

TURBO FROST is a **chiller**, for both shoes and boots, that carries out the functions of **glue crystallization**, cold setting of the upper and, upon request, hot **reconditioning for the anti-condensation** of the upper. Turbo Frost is available in **many versions**, depending on the needs of customers. The main differences between the different versions are: the quantity produced, the sizes and the chance to add the "Double defrost" function, which allows, thanks to a double evaporator, to have a temperature cold enough during the defrost.

### □ Where and Why?

TURBO FROST is a classic chiller used to complete the **stabilization of the shoe**, after cement drying. This process is carried out for any type of footwear and so Turbo Frost is used in any production line, from assembly lines to the working modules. Turbo Frost can also be used immediately after the hot ironing, before the roughing, especially for high quality footwear.

		Technical Features		
		Turbo Frost 1	Turbo Frost 2	Turbo Frost 2E
Output in 8 Hours	Pairs	1000	1500	2000
Rated Power	Kw	4	9	12
Average Power	Kw	3,5	6	9
Dimensions	mm	2090x850x1330	2800x850x1330	2600x1100x1450
Chamber Dimensions	mm	1000x360x300	1600x360x300	2200x700x300
Net Weight	Kg	450	590	800

# CEMENT DRYERS

Using a cement dryer-reactivator in the production line allows to **shorten the production time**, it is not necessary to leave the shoes waiting, after applying the glue. This involves a great **saving** in terms of **space**, it will be sufficient to have **shorter conveyors** and consequently also the number of lasts in circulation will be much lower. Our machines ensure **optimal treatment** that allows you to achieve **excellent** results in the **bonding tests**.

Below there is a summary table about the characteristics of all our cement dryers-reactivators machines.

	INSTANT ANIDROS NIR	UVCD 2	UVCD 3	UVCD TUNNEL	TURBO DRY 3	TURBO DRY 8	DOUBLE BELT ANIDROS NIR
Drying	✓	✓	✓	✓	✓	✓	✓
Reactivation	✓	✓	✓	✓	✓	✓	✓
NIR lamps system	✓	✓	✓	✓	✗	✗	✓
Heaters system	✗	✗	✗	✗	✓	✓	✗
Vacuum system	✗	✓	✓	✗	✓	✓	✗
Power saving	✓	✗	✗	✓	✗	✗	✓
Suitable for water based cement	✓	✓	✓	✓	✓	✓	✓
Up to 600 pairs	✓	✓	✓	✓	✓	✓	✓
Up to 800 pairs	✓	✗	✓	✓	✓	✓	✓
Up to 1200 pairs	✗	✗	✓	✓	✓	✓	✓
Over 1200 pairs	✗	✗	✗	✗	✗	✓	✓



# Instant Anidros NIR

## Ultra-Rapid dryer with NIR Lamps



### ▣ Anzani's Surplus

- Ultrarapid drying time, in 30/40 seconds
- Great time saving
- Great energy saving
- More efficient production
- Great results in the bonding tests
- Excellent quality of the final result
- NIR infrared lamps system
- System for heat anti-loss
- Separate setting (shoe-sole)
- Suitable for both solvent and water based glues
- Suitable for any type of footwear
- Made in Italy

### ▣ Overview

INSTANT ANIDROS NIR is a **dryer** and **reactivator** of glue, both solvent and water based, on shoes, boots and soles. Thanks to the small size of the treatment chamber, Instant Anidros NIR is **extremely fast**, it allows to only one operator to spread the glue, insert the shoe in the machine, attach the sole to the shoe and then press it.

### ▣ Where and Why?

Instant Anidros NIR could be divided in modules, each module can produce about 300/400 pairs, so its perfect positioning could be in shoe factories with **small productions, sample rooms and working modules**. Its extreme speed allows to get a better performance in the cementing department in small shoe factories. The short treatment times **avoid** an accumulation of **heat** in the **lasts**, which allows to then use the **chiller** to a **lower power**.

#### Technical Features

Rated Power	Kw	13
Average power	Kw	7
Treatment time	Sec.	30-40
Output in 8 Hours	Pairs	400
Dimensions	mm	1070x1500x2105H

# Instant Anidros NIR Optional

DESCRIPTION	ELIMINATED PROBLEM	BENEFIT
<b>Second automatic reactivation cycle for shoe and sole, once the determined TIME expires</b>		
Instant Anidros NIR allows to dry and reactivate the glue on shoe and sole, but, after some time, the correct temperature, for pressing the shoe with the sole, is lost. For this reason it is possible to add a software to the machine, which allows to carry out automatically a reactivation cycle, once the time expires (previously set); in order to bring back the shoe and the sole to the right temperature.	<ul style="list-style-type: none"> <li>• Low quality of the cementing, because the sole press is made without the right temperature.</li> <li>• We don't know if the workers carry out the sole press, always at the right temperature.</li> </ul>	<ul style="list-style-type: none"> <li>• Better quality of the bonding.</li> <li>• To have confidence that the bonding temperature standards are always respected.</li> </ul>
<b>Second automatic reactivation cycle for shoe and sole, once the TEMPERATURE drops over the limit set</b>		
Instant Anidros NIR allows to dry and reactivate the glue on shoe and sole, but, after some time, the correct temperature, for pressing the shoe with the sole, is lost. For this reason it is possible to add a software and a temperature sensor to the machine, which allow to carry out automatically a reactivation cycle, once the shoe temperature drops over the limit (previously set); in order to bring back the shoe and the sole to the right temperature.	<ul style="list-style-type: none"> <li>• Low quality of the cementing, because the sole press is made without the right temperature.</li> <li>• We don't know if the workers carry out the sole press, always at the right temperature.</li> </ul>	<ul style="list-style-type: none"> <li>• Better quality of the bonding.</li> <li>• To have confidence that the bonding temperature standards are always respected.</li> </ul>



# UVCD 2

## Vacuum Drier with NIR Lamps



### □ Anzani's Surplus

- Ultrarapid drying
- Great time saving
- More efficient production
- Great results in the bonding tests
- Excellent quality of the final result
- Primer, first, second cementing and sole laying in the same machine
- NIR infrared lamps system
- System for heat anti-loss
- Vacuum system
- Gas suction system
- Separate setting (shoe-sole)
- Suitable for both solvent and water based glues
- Suitable for any type of footwear
- Made in Italy

### □ Overview

UVCD 2 is a **vacuum dryer**, which carries out, for shoes, boots and relative soles, the functions of **fast drying and fast reactivation of glue**, both solvent and water based. The system is composed by a prechamber, where the glue gets heated until the right temperature and by a **vacuum chamber** where, through the use of high efficiency **infrared NIR lamps**, the glue gets completely dried and then reactivated. UVCD 2 differs from UVCD 3 for the smaller size and for the smaller quantity of production.

### □ Where and Why?

The **vacuum** technology combined with the **NIR** lamps is the most **powerful** method for cement drying: the times shrink and the quality of the final result increase. The short times of treatment **avoid** an accumulation of **heat in the lasts**, which allows to then use the **chiller** to a **lower power**. The ideal location for UVCD 2 is on lines producing **small quantities**, up to 750 pairs (solvent) and needing a **perfect bonding**, guaranteed by the double vacuum/NIR lamps system.

Technical Features		
Output in 8 Hours	Pairs	500 (water base) 750 (solvent 1 coat)
Rated Power	Kw	12
Average Power	Kw	7
Air Consumption	NL	48
Dimensions	mm	2290x1230x1840H
Net Weight	Kg	940

# UVCD 3

## Vacuum Drier with NIR Lamps



### □ Anzani's Surplus

- Ultrarapid drying
- Great time saving
- More efficient production
- Great results in the bonding tests
- Excellent quality of the final result
- Primer, first, second cementing and sole laying in the same machine
- NIR infrared lamps system
- System for heat anti-loss
- Vacuum system
- Gas suction system
- Separate setting (shoe-sole)
- Suitable for both solvent and water based glues
- Suitable for any type of footwear
- Made in Italy

### □ Overview

UVCD 3 is a **vacuum dryer**, which carries out, for shoes, boots and relative soles, the functions of **fast drying and fast reactivation of glue**, both solvent and water based. The system is composed by a prechamber, where the glue gets heated until the right temperature and by a **vacuum chamber** where, through the use of high efficiency **infrared NIR lamps**, the glue gets completely dried and then reactivated. UVCD 3 differs from UVCD 2 for the bigger size and for the bigger quantity of production.

### □ Where and Why?

The **vacuum** technology combined with the **NIR** lamps is the most **powerful** method for cement drying: the times shrink and the quality of the final result increase. The short times of treatment **avoid** an accumulation of **heat in the lasts**, which allows to then use the **chiller** to a **lower power**. The ideal location for UVCD 3 is on lines producing up to 1500 pairs (solvent) and needing a **perfect bonding**, guaranteed by the double vacuum/NIR lamps system.

#### Technical Features

Output in 8 Hours with the Conveying of 1 Pair a time	Pairs	1200 (water base) 1500 (solvent)
Output in 8 Hours with the Conveying of 2 Pairs a time <i>* Need additional temperature keeper Tunnel</i>	Pairs	1600 (water base) 2200 (solvent)
Rated Power	Kw	27
Average Power	Kw	15
Air Consumption	NL	48
Dimensions	mm	3820x1230x1840H
Net Weight	Kg	1200

# UVCD TUNNEL

## Cement Drier with NIR Lamps



### ▣ Anzani's Surplus

- Very fast drying
- Great time saving
- Great energy saving
- More efficient production
- Great results in the bonding tests
- Excellent quality of the final result
- NIR infrared lamps system
- System for heat anti-loss
- Separate treatment (shoe-sole)
- Suitable for both solvent and water based glues
- Suitable for any type of footwear
- Made in Italy

### ▣ Overview

UVCD TUNNEL is a glue dryer, which carries out, for shoes, boots and relative soles, the functions of **fast drying and fast reactivation of glue**, both solvent and water based. Uvcd Tunnel allows to place on the conveyor in alternation the shoe and the relative sole, giving a **separate treatment** in the chamber, with both **infrared NIR lamps** and hot forced air. On request, it's possible to add, at the end of the conveyor, a flash that reactivates again the glue on the shoe and on the sole, in case of cooling of the glue, because of delays in the sole laying phase. Uvcd Tunnel differs from Uvcd Tunnel Conveyor because it makes 1 cementing instead of 3 in the same machine.

### ▣ Where and Why?

The treatment with NIR lamps and hot air ensures **excellent cement drying**, without having the heavy consumption of vacuum technology, recommended in tandem with NIR lamps for more complicated treatments. The short time of treatment **avoids** an accumulation of **heat** in the **lasts**, which allows to then use the **chiller** to a **lower power**. The ideal location of UVCD Tunnel is on lines producing maximum 1100 pairs (solvent) with the possibility of **adding a second treatment chamber**, in case the model requires 2 bonding phases.

#### Technical Features

		1100 with single conveyor	2200 with double conveyor
Output in 8 Hours	Pairs	1100 with single conveyor	2200 with double conveyor
Rated Power	Kw	12	23
Average Power	Kw	5,5	10
Dimensions	mm	4450x1230x1700	4450x2080x1700

# TURBO DRY 3

## Vacuum Dryer



### □ Anzani's Surplus

- Very fast drying
- Great time saving
- Large space saving
- More efficient production
- Great results in the bonding tests
- Excellent quality of the final result
- Vacuum system
- Gas suction system
- Separate setting (shoe-sole)
- Suitable for both solvent and water based glues
- Suitable for any type of footwear
- Made in Italy

### □ Overview

**TURBO DRY 3** is a **vacuum glue dryer**, which carries out, for shoes, boots and relative soles, the functions of **fast drying and fast reactivation of glue**, both solvent and water based. The system consists of 6 rotary stations with **separated vacuum treatment chambers** and with **different temperatures** (soles-shoes). Each container can hold 2 pairs of shoes or boots and 2 of soles which are processed in only one vacuum unit.

In case of **water based glue**, it is available an additional **pre-chamber for pre-ventilation**. It is also available a **system for heat keeping**, that works outside the vacuum chamber, allowing to keep the **perfect temperature of the glue**, during the attachment of the sole to the shoe.

### □ Where and Why?

Thanks to the vacuum system **Turbo Dry** ensures a **perfect drying** of the cement, even for the most problematic patterns. The rotary configuration of this machine makes it **very flexible** and adaptable to any production model, from the traditional conveyors to the working modules.

#### Technical Features

		Turbo Dry 3
Output in 8 Hours	Pairs	1200
Rated Power	Kw	17
Average Power	Kw	9
Air Consumption	NL	6
Dimensions	mm	1650x1250x1750
Pre-chamber Dimensions	mm	1200x800x1680
Net Weight	Kg	820 (200 pre-chamber)

# TURBO DRY 8

## Vacuum Dryer



### □ Anzani's Surplus

- Very fast drying
- Great time saving
- Large space saving
- More efficient production
- Great results in the bonding tests
- Primer and many bondings in the same machine
- Excellent quality of the final result
- Vacuum system
- Gas suction system
- Suitable for both solvent and water based glues
- Suitable for any type of footwear
- Made in Italy

### □ Overview

TURBO DRY 8 is a **vacuum glue dryer**, which carries out, for the components of the soles, the functions of **fast drying and fast reactivation** of the **primer** and the **glue**, both solvent and water based. The system consists of 8 rotary stations, each stations consists of 5 floors with stainless steel trays, which can hold the components of 2 pairs of soles.

In case of **water based glue**, it is available an additional **pre-chamber for pre-ventilation**. It is also available a **system for heat keeping**, that works outside the vacuum chamber, allowing to keep the **perfect temperature of the glue**, during the attachment of the different parts of the sole.

### □ Where and Why?

Thanks to the vacuum system **Turbo Dry** ensures a **perfect drying** of the cement, even for the most problematic patterns. The rotary configuration of this machine makes it **very flexible** and adaptable to any production organization, from the traditional conveyors to the working modules.

Through the use of multi-levels for each rotary chamber, Turbo Dry 8 allows to dry both **primer and glue in one machine**, saving a lot of space and, if the quantities to be produced allow it, even to take out a second machine used for drying the primer or the glue.

#### Technical Features

		Turbo Dry 8
Output in 8 Hours	Pairs	1800
Rated Power	Kw	machine 25,5 - pre-chamber 12
Average Power	Kw	machine 20,1 - pre-chamber 6,25
Air Consumption	NL	8
Dimensions	mm	2360x2060x1960
Pre-chamber Dimensions	mm	1560x900x1780
Net Weight	Kg	1150 (280 pre-chamber)

# Double belt Anidros NIR

## 2 Levels Cement Dryer-Reactivator



### □ Anzani's Surplus

- Very fast drying
- Great time saving
- Great power saving
- More efficient production
- Great results in the bonding tests
- Excellent quality of the final result
- NIR infrared lamps system
- System for heat anti-loss
- Separate treatment (shoe-sole)
- Suitable for both solvent and water based glues
- Suitable for any type of footwear
- Made in Italy

### □ Overview

**Double belt Anidros NIR** is a glue dryer, which carries out the functions of fast drying and fast reactivation of glue, both solvent and water based.

This machine is made of two levels conveyors and **independent** treatment chambers. The conveyors may be designed for shoes, soles or components. It is possible to insert one or more **treatment chambers**, according to the number of glue coats required. The **treatment** is made through **infrared NIR lamps** and hot forced air.

### □ Where and Why?

The perfect placing of **Double belt Anidros NIR** is wherever there is **high production**, where it is required a **fast treatment** and with independent treatment chambers for shoes and soles, for having an **higher production**. In fact, this setting is typical of Asian sport shoes production. The treatment with NIR lamps and hot air ensures **excellent cement drying**, with very low consumption. The short time of treatment **avoids an accumulation of heat in the lasts**, which allows to then use the **chiller** to a **lower power**.

# ROBOTICS

Robots are changing factories in any industry, the same is happening in the footwear market. The robotic solutions we propose represent the **maximum efficiency** available in the market and allow to achieve **large savings** in terms of **labor** and to get always a **steady** level of **quality**. Thanks to these new technologies it's possible to keep producing in places where the high cost of **labor** threatens the **competitiveness** of the shoe companies.

Below there is a summary table about the characteristics of the robotic solutions we suggest.

	ATS	RPL	VULCOMATIC ROBOT
Lasting line with conveyor	✓	✗	✓
Lasting line "module type"	✗	✓	✗
Automatic upper steaming	✓	✗	✓
Automatic shoe ironing and stabilization	✓	✓	✓
Automatic drying and reactivation	✓	✓	✓
Automatic vulcanization	✗	✗	✓
Automatic cold stabilization (chiller)	✓	✗	✓
Automatic pounding	✓	✓	✓
Automatic buffing	✓	✓	✓
Automatic shoe primer application	✓	✓	✓
Automatic shoe cement application	✓	✓	✓
Automatic sole primer application	✓	✗	✗
Automatic sole cement application	✓	✗	✗

# 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>		
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"> <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>		
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.	<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>		
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"> <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 crystalization 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>		



VIDEO

# RPL

## Robotic Module



### ▣ Anzani's Surplus

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

### ▣ Overview

RPL is a **working module**, which allows all operations between the heel seat lasting and the sole press to be carried out **completely automatically**, without the aid of operators.

The module can be configured according to the type of shoe to be produced. It can be equipped with a **heat setter (Ecojet Robot)** which, after the treatment, puts the shoes in the exact picking point by the **first robot**, which can perform one or more operations (roughing, milling, pounding, cementing) and then give the shoes to a **second robot** to perform other operations or load a **cement dryer/reactivator (Turbo dry, Robbelt)**, which can return shoes at the same point of loading or at a different point.

The number of robots to be used depends on the required output and on the model that will be produced, then on the necessary processing (roughing, one or more cementing, etc.)

### ▣ 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**. The perfect location for RPL is the **working islands** where flexibility is more important than very high volume. This solution offers **maximum flexibility**, as each robot can perform **several operations** and the layout can be modified according to future needs, adding or removing robots, for variations in the type of shoe or quantity of shoes to be produced.

# Machines available for RPL

	ECOJET 2 ROBOT	TURBO DRY 3 ROBOT	TURBO DRY 8 ROBOT	ROBBELT
Description	The version of our heat setter Ecojet, developed to work in synchrony with the robot station for pounding, roughing and cementing. Also in this version we installed infrared NIR lamps, which allow an excellent treatment in a shorter time and with a lower consumption compared to traditional heat setters.	Rotary dryer-reactivator, it is the evolution of Turbo Dry 3, enhanced to work in synchrony with the robot, for pounding, roughing and cementing. The drying technology is the vacuum system, together with heaters, which allow an excellent bonding of the upper to the sole. The machine consists of 6 rotary sides with 3 loading levels: from the bottom up, soles, priming and cementing.	Rotary dryer-reactivator, it is the evolution of Turbo Dry 8, enhanced to work in synchrony with the robot, for pounding, roughing and cementing. The drying technology is the vacuum system, together with heaters, which allow an excellent bonding of the upper to the sole. The machine consists of 8 rotary sides with 2 loading levels: from the bottom up, soles and cementing.	Cement dryer and reactivator that incorporates a conveyor: the entry is loaded by the robot, after the glue application, once the shoe gets treated, it can be manually unloaded or can be picked by the next robot for the second coat of glue. This dryer uses infrared NIR lamps, which allow an excellent treatment, in a short time and with a low energy consumption.
NIR lamps system	✓	✗	✗	✓
Vacuum-heaters system	✗	✓	✓	✗
Dryer-reactivator for 1 coat of glue	✗	✓	✓	✓
Dryer-reactivator for 2 coats of glue	✗	✓	✗	✗
Soles reactivation	✗	✓	✓	✓
Load of the shoe in one point and unload of the shoe in another point	✓	✓	✓	✓
Load of the shoe in one point and unload of the shoe in the same point	✗	✓	✓	✗

# 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**.

# Anidros NIR Robot

## Cement Dryer-Reactivator for Robotic Conveyors



### ▣ Anzani's Surplus

- Automatic settings
- Very fast drying
- Great time saving
- Great power saving
- More efficient production
- Great results in the bonding tests
- Excellent quality of the final result
- NIR infrared lamps system
- System for heat anti-loss
- Separate treatment (shoe-sole)
- Suitable for both solvent and water based glues
- Suitable for any type of footwear
- Made in Italy

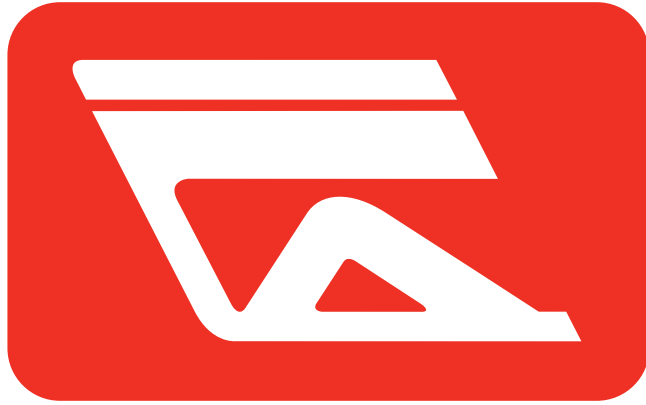
### ▣ Overview

**Anidros NIR Robot** is a tunnel, positionable on robotic conveyors, both pallet and chain type, which carries out the functions of fast drying and fast reactivation of glue, both solvent and water based.

The **treatment** is made through **infrared NIR lamps** and hot forced air. The peculiarity of this dryer is that it is able to **self-regulate** the **temperature** of the lamps **according to the article in production**, which will pass within the tunnel. In fact, the speed with which the NIR lamps react to the commands, allows **different treatment pair by pair**. It's possible to set this tunnel for shoes only or soles only, or both simultaneously.

### ▣ Where and Why?

The perfect placing of **Anidros NIR Robot** is where there are **automatic lines** for **assembly**, where it is required to produce **various articles**, also simultaneously, **without** having to **change the settings** of the dryer every time. Moreover the lamps treatment allows an **optimal drying** with **very low consumption**. The short time of treatment **avoids an accumulation of heat in the lasts**, which allows to then use the **chiller** to a **lower power**.



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