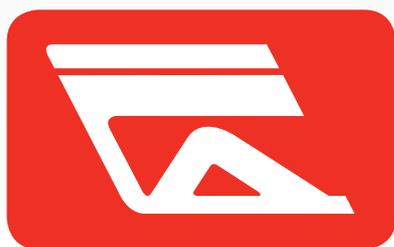


anzani
MACHINERY

GENERAL 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**.

ROTARY STORES

When the **lack of space** is a problem, or you want to have a **more ordered management of materials**, the use of **electronic stores** is very effective. The basic principle of our solutions is to always know the position of the various components and to make the **handling more efficient**, avoiding that operators have to go physically to take the materials, but the materials must reach the operator.

Below there is a summary table about the characteristics of all our rotary stores.

	AUTOSTORE	VERTICALSTORE
Lasts storage	✓	✓
Components storage	✓	✓
Space saving	✓	✓
Storage through movable boxes	✗	✗
Carousel system	✓	✓
Software for components management	✓	✓
Positionable at the side of the conveyor	✓	✗
Access to more containers at the same time	✓	✗
Exploitation of space in height	✗	✓



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
Removable columns on wheels		
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"> 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. 	<ul style="list-style-type: none"> Maximum flexibility Time saving More order
Dividers inside the containers		
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"> Storing different types of materials in the same container creates confusion. I have to store more materials, in small quantities, in the same container. 	<ul style="list-style-type: none"> Maximum flexibility Time saving More order

VERTICALSTORE

Automatic Rotary Storage



▣ Anzani's Surplus

- Large space saving
- Great time saving
- Suitable for high but not large spaces
- View on the display of the materials in each container
- More efficient production
- Suitable for any type of footwear
- More efficient production
- Suitable for any type of footwear

▣ Overview

VERTICALSTORE 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's founded on the consolidated **carousel** principle, it develops in height, allowing a large save in space. The double-chain system with eightfold suspension allows that 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?

If you want to storage components to save space and **exploiting** the **height space**, Verticalstore is the best solution. As like the warehouses Autostore and Compustore, Verticalstore **improves** the **order** and the **organization** of the relevant department, thanks to the semi - automatic management of materials.

SEWING CONVEYORS

The **stitching departments** often hide the most **inefficiencies** in the production realities: waiting times for the fastest operations, loss of time during article changes and difficulties in managing a growing number of **different articles**. Our systems aim at reducing or **canceling** these **inefficiencies**, providing the chance to **track the production** at 360 ° and **analyze** all the **production time**.

Below there is a summary table about the characteristics of all our systems for the stitching departments.

	SUPER LATOR	CYCLOMOVE	LOGIMODULE	LOGIMOVE SEMI-AUTOMATIC	LOGIMOVE FULLY-AUTOMATIC
Belt conveyor	✓	✗	✗	✓	✓
Chain conveyor	✗	✓	✗	✗	✗
Computerized boxes dispatchment	✗	✓	✗	✓	✓
Zeroing of downtime	✓	✓	✓	✓	✓
Control and analysis of the production time	✗	✓ (optional)	✓	✓	✓
Up to 21 workstations	✓	✓	✓	✓	✓
Over 21 workstations (up to 60)	✓	✗	✗	✓	✓
Automatic storage above the line	✗	✗	✗	✗	✓
APP for the workstation managing	✗	✗	✗	✓	✓

CYCLOMOVE



Semi-Automatic Chain Conveyor



□ 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
- +15% Productivity increase
- Many models at the same time in production
- Zeroing of downtime
- Maximum production flexibility
- Made in Italy

□ Overview

CYCLOMOVE is a chain conveyor, which provides the distribution of semi-finished products in the sewing department. One worker, the one who will manage the system, can load and unload the boxes from the conveyor, and also add all the datas required through a pc for the system managing. After the box loading, the system reads the box and puts it in front of the worker, who has to make the first operation; then a signalling light will turn on, in order to inform the worker to unload the box and start the operation. Once the first operation is finished, the box is sent to another workstation for the next operation and so on, until all the operations are completed and the box will be unloaded from the system.

□ Where and Why?

CYCLOMOVE is a very good alternative to "lean system" in the **sewing** and **before-lasting departments**, it allows to **take advantage** of all the **potentiality** of the operators, in fact anybody will be able to make his job at the **maximum speed**, without keeping the speed of the slowest worker, as in the "lean system", avoiding the "bottle neck" problem; all this is possible thanks to the **independent distribution** of the boxes to all the workers. An additional Cyclomove's benefit is to avoid the movement of all the machines, when you have to change the model under production, infact it isn't required to have a fix sequence, as like in "lean system" or with the traditional conveyor with continuous speed. The founding idea of Cyclomove is the same of the one of Lator System, that is to **maximize** the **efficiency** in the sewing departments, but Cyclomove has been developed with a more simple technology, in order to make it more accessible to any kind of footwear factory.

	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
System for the automatic box unloading		
<p>It is an automatic mechanical arm, which will download all the boxes that have finished the working cycle. The boxes will be driven on a roller conveyor, waiting for the quality control or to be moved to the assembly department. This option is also implementable at a later stage.</p>	<ul style="list-style-type: none"> • Need to have somebody who downloads the boxes that have completed the work cycle. 	<ul style="list-style-type: none"> • Time saving. • Labour saving.
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"> • There are no precise information about the operator. • There is a quality problem, nobody knows who did the mistake. • Need somebody, who times all the working phases, in order to get information. 	<ul style="list-style-type: none"> • Better control of the line. • Quality increase and time saving. • Labour saving.
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>		
Advice of a qualified technician		
<p>Our technician with pluriennial experience in the textile and footwear 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"> • Difficulty in using the system to its maximum capacity . 	<ul style="list-style-type: none"> • Productivity increase.



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**. Our system allows to record the production times for each operator, each container, each process and each model, through the reading of bar-codes, at the beginning and at the end of the operations. The bar-code reading is carried out thanks to laser guns, which can be used by different operators, so it is not required to use one gun for each operator. 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
Manual racks for boxes stopover		
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"> The positioning of the waiting boxes causes mess in the plant. 	<ul style="list-style-type: none"> Space saving. Greater order in the plant.
Training with a qualified technician		
Our technician with pluriennial experience in the textile and footwear 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"> Difficulty in using the system to its maximum capacity. 	<ul style="list-style-type: none"> Productivity increase.

LOGIMOVE Semi-automatic



Computerized Belt Conveyor System



□ 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% 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 **belt conveyor with computerized system**, that provides for the **semi-automatic 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 materials movement is carried out by a software, that sends the containers to the correct workstation. At the end of the operation, the operator places the container on the returning belt conveyor, if another operator has to make a new processing on the semi-finished good, the container is sent automatically to that workstation, if not it is sent to the warehouse. The input of the container on the belt conveyor and the storage are manual, unlike the container movement from a workstation to the next one, that is automatic. Logimove Semi-automatic is used in shoe factories, apparel factories, leather goods factories and sofa factories. Moreover, the **software** allows to have **reports about the production time** and compare it with a standard time, in order to know the productivity of each operator, model, box or order.

□ Where and Why?

LOGIMOVE Semi-automatic found its perfect location in the **sewing department**, where the increasing trend of mixed productions, with a few pairs to be produced for each style, causes problems for the entire production and bring down the productivity. In fact Logimove Semi-automatic provides a great **flexibility** to the production, allowing you to work **many different styles** at the **same time**, **no** need to make **changes** to the production line. Thanks to the rapid sending of the boxes, directly to the workstations, there is no need to move the machines when it starts to produce a different style, eliminating the time needed to displacement. In addition, each operator will be able to work at its **maximum speed**, avoiding the typical problems of "lean system" as the bottle neck problem, where all the operators work at the slowest speed, dictated by the slowest worker. Finally, the possibility of **recording** all the production **times** allows to manage the production, in order to achieve the **best performance**, for example, assigning to the workers only the operations in which they have shown the best performance.

	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

Automated Computerized Distribution System



▣ 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
- +25% 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 **belt conveyor** with **computerized** system, that provides for the fully-automatic 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 materials movement is carried out by a software, that sends the containers to the correct workstation. At the end of the operation, the operator places the container on the belt conveyor; the container is sent to the warehouse, but if another operator has to make a new processing on the semi-finished good, the container is sent, immediately, to that workstation, if not it stays in the warehouse. The input of the container on the belt conveyor is automatic, the software sends the container when the workstation is free. Logimove Fully-automatic is used in shoe factories, apparel factories, leather goods factories and sofa factories. Moreover, the **software** allows to have **reports about the production** time and compare it with a standard time, in order to know the productivity of each operator, model, box or order.

▣ Where and Why?

LOGIMOVE Fully-automatic found its perfect location in the **sewing department**, where the increasing trend of **mixed productions**, with a few pairs to be produced for each style, causes problems for the entire production and bring down the productivity. In fact Logimove Fully-automatic provides a great **flexibility** to the production, allowing you to work **many different styles** at the **same time**, **no** need to make **changes** to the production line. Thanks to the rapid sending of the boxes, directly to the workstations, there is no need to move the machines when it starts to produce a different style, eliminating the time needed to displacement. In addition, each operator will be able to work at its maximum speed, avoiding the typical problems of "lean system" as the bottle neck problem, where all the operators work at the slowest speed, dictated by the slowest worker. Finally, the possibility of **recording** all the production **times** allows to manage the production, in order to achieve the **best performance**, for example, assigning the workers only to the operations in which they have shown the best performance.

	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"> • Login into the workstation through fingerprint. • Chance to move the workers from one workstation to another, without changing the information in the system and it gets automatically production data record. • Button for calling the line manager. • Warning light for the delay, comparing the standard time with the real time of the operation. • 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). • Video database of the operations. • Personal performance sight by the operator. • Machine breakdown reporting. 	<ul style="list-style-type: none"> • If it is required to move the workers, you have to change the information in the system. • The communication between the line manager and the workstations in back of the conveyor is difficult. • The workers don't realize if they are following the correct rhythm. • The operators aren't sure how to carry out the operation and they have to ask advise. • The operators don't remember how to make an operation of a new style. • The operators don't exactly know how efficient they are. • It is required to manually report the machine breakdown. 	<ul style="list-style-type: none"> • Time saving. • Maximum flexibility. • Time saving. • Greater efficiency of the line. • Time saving. • Greater efficiency of the line. • Time saving. • Time saving. • Higher involvement of operators. • Time saving.
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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"> • The positioning of the waiting boxes causes mess in the plant. 	<ul style="list-style-type: none"> • Space saving. • Greater order in the plant.
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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 qualified technician

<p>Our technician with pluriennial experience in the textile and footwear 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"> • Difficulty in using the system to its maximum capacity. 	<ul style="list-style-type: none"> • Productivity increase.
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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

LASTING CONVEYORS

Chain lasting conveyors are widespread in all European footwear factories, less outside Europe where it is common to use flat belt conveyors. **Chain conveyors** ensure **greater efficiency**, for example if they have more than one floor, they allow to produce more than one article at the same time, in addition to ensuring a **better quality**, the risk of ruining your shoes during the handling is virtually zero. Our conveyors are recognized for their **top quality and reliability**, there are even conveyors installed 50 years ago still working.

Below there is a summary table about the characteristics of all our lasting conveyors.

	MULTIPLEX	MULTIPLEX CONTACT	VULCOMATIC	NO PICK NO LOAD
Welded trolleys	✓	✓	✓	✓
Assembled trolleys	✓	✓	✗	✗
Automatic steaming	✓	✓	✓	✓
Automatic heat setting	✓	✓	✓	✓
Automatic cement dryer-reactivator	✓	✓	✓	✓
Automatic cooling	✓	✓	✓	✓
Automatic vulcanization	✗	✗	✓	✗
Nylon wheels	✓	✓	✓	✓
Up to 2 floors	✓	✓	✓	✗
Over 2 floors (up to 4)	✓	✓	✗	✗
Adjustable chain speed	✓	✗	✗	✗
Timed stops	✗	✗	✓	✓
Fixed chain speed	✗	✓	✗	✗

MULTIPLY

Chain Conveyor System for Lasting and Finishing



▣ Anzani's Surplus

- Assembled and modifiable trolleys
- Great time saving
- Reduced working process
- More efficient production
- Chance to insert heat treatments online
- Suitable for any type of footwear
- Made in Italy

▣ Overview

MULTIPLY is an **automatic chain conveyor** for **assembly** and **finishing** of any kind of footwear. The speed is continuous and adjustable, for setting the production times. The conveyor can be configured from **1 to 3 floors**, with the chance to have adjustable speed for each floor, providing an independent motor per floor.

▣ Where and Why?

MULTIPLY enables workers not to worry anymore about the moving of the trolleys, as it happens in the traditional non-motorized conveyors. The **materials** and the construction method guarantee a **top quality** product that will **last over time**. We develop **customized trolleys**, assembled and modifiable, providing **maximum flexibility** to your production.



VIDEO

MULTIPLEX CONTACT

Chain Conveyor System for Lasting and Finishing



▣ Anzani's Surplus

- Assembled and modifiable trolleys
- Maximum production flexibility
- Great time saving
- Reduced working process
- More efficient production
- Chance to insert heat treatments online
- Suitable for any type of footwear
- Made in Italy

▣ Overview

MULTIPLEX CONTACT is a semi-automatic chain conveyor for assembly and finishing of any kind of footwear. Each trolley stops automatically at each fixed workstation, thanks to a **stop system**, that is insertable and extractable. When the worker ends the operation, he has only to push the trolley, that will be caught by the chain and will be moved to the next workstation. The conveyor can be configured from **1 to 4 floors**, each one with adjustable speed, having independent motor per floor.

▣ Where and Why?

MULTIPLEX CONTACT enables workers not to worry anymore about the moving of the trolleys, as it happens in the traditional non-motorized conveyors. The **materials** and the construction method guarantee a **top quality** product that will **last over time**. We develop **customized trolleys**, assembled and modifiable, providing **maximum flexibility** to your production. The Contact system is particularly suitable for **mixed productions** or where work is paid by the piece, because the **flexibility** of the system allows the movement of the workers from one location to another one.

MULTIPLEX & MULTIPLEX CONTACT OPTIONAL

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, 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 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.

MULTIPLEX & MULTIPLEX CONTACT OPTIONAL

DESCRIPTION	ELIMINATED PROBLEM	BENEFIT
Turbo Frost Matic		
<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.</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>		



VIDEO

VULCOMATIC

Vulcanizing Conveyor



□ Anzani's Surplus

- Maximum production organization
- Great time and labour 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 is a timed chain conveyor, which holds the **assembly, the vulcanization and finishing phases**, for vulcanized rubber shoes and boots. Vulcomatic is composed of **two floors**, **upstairs** it takes place the **assembly and the finishing phases**, while **downstairs** the **automatic vulcanization and the cooling**. The trolleys enter and go out directly in the autoclave, positioned on the conveyor, without the aid 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?

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**.

NO PICK NO LOAD

Conveyor for roughing, priming, and cementing



▣ Anzani's Surplus

- Very fast drying
- Great time saving
- Great energy saving
- More efficient production
- Roughing, primer and 1st glueing on the same machine
- 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

NO PICK - NO LOAD is a timed, chain conveyor for roughing, primer and glue spreading and for drying and reactivating the glue, both solvent and water based, on shoes, boots and relative soles.

No pick No load is set with special trolleys, which allow high mobility of the last, directly on the conveyor, in order to let the operators make roughing and glueing, without removing the shoes from the conveyor, avoiding the load/unload times.

After the roughing and the glue spreading, the chain moves the trolleys into the online dryers Anidros NIR, which allow a very fast drying and reactivation.

The number of Anidros NIR on the conveyor depends on how many glueings have to be done.

▣ Where and Why?

The great advantage of No pick - No load is sure the possibility to make roughing, priming and cementing without removing the shoes from the conveyor.

The trolleys are small sized, carrying a single shoe, in order to ensure the maximum mobility of the last and to let the operator make operations on each corner of the shoe.

This system eliminates all load-unload times for all phases between the marking and the press, reducing the production time for each pair, thus increasing the production and productivity.

Every second saved on a single shoe means an increase between 15 and 20 pairs per day, considering a working cycle of 8h.

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	AMD 701
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
Ecojet Touch		
<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"> • The heat setter with the standard settings doesn't provide the perfect treatment to all kind of materials. • With many styles in production, it is too laborious to change the heat setter settings every time. • I cannot carry out two different treatments at the same time, for two different styles. 	<ul style="list-style-type: none"> • Quality increase. • Time saving. • Maximum flexibility. • Time saving.

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

AMD 701

Moccasin Drier



□ Anzani's Surplus

- Fast drying
- Great time saving
- Large space saving
- More efficient production
- Lasts saving
- Made in Italy

□ Overview

AMD 701 carries out the **drying of moccasins immersed in water**, before the Handmade sewing. The drying requires from 40 to 60 minutes, allowing a **great time saving** compared to the natural drying, which requires from 6 to 24 hours, depending on the leather thickness.

□ Where and Why?

AMD 701 allows to reduce the working process, **reducing** drastically the natural **drying times**. The treatment is studied to maintain a quantity of moisture in the moccasin, thus avoiding problems of excessive drying. The **maintenance** is **simplified** thanks to the removable walls that allow quick access to the inner chamber. Furthermore, the resistances are only switched on for 50 % of the duration of the treatment, in such a way to achieve an important **energy saving**.

Model	Output Pairs in 8 Hours	(Kw)	(Amp)	Lenght (mm)	Width (mm)	Height (mm)	Cycle Time (min.)	Moist cont. %
701/800	800	54	97	5400	1900	2200	40-60	9-10
701/1600	1600	90	140	6000	1900	2200	40-60	9-10
701/2400	2400	135	210	8000	1900	2200	40-60	9-10
701/3000	3000	168	265	8300	1900	2200	40-60	9-10
701/3600	3600	200	300	8300	1900	2200	40-60	9-10
701/4200	4200	220	325	9400	1900	2200	40-60	9-10
701/4800	4800	240	350	11900	1900	2200	40-60	9-10
701/5400	5400	260	375	12200	1900	2200	40-60	9-10

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	CYCLONE	DRY MATIC	MINI DRY MATIC	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	✗	✗	✗	✗	✗	✓	✓	✓	✗	✓

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 Shoes

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 SHOES 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 station 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 Shoes
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)

TURBO DRY 8 Stockfit

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 STOCKFIT 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 station 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 Stockfit
Output in 8 Hours	Pairs	2500
Rated Power	Kw	machine 30,9 - pre-chamber 9,75
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)

CYCLONE NIR

Cement Dryer 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
- Primer, first, second cementing and sole laying in the same machine
- 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

CYCLONE NIR is an **automatic rotary modular machine**, for **drying** and **reactivating** the **primer** and the **glue**, both solvent and water based, on shoes, boots and soles. The treatment is made through hot air ventilation with **NIR infrared lamps**. The number of the trolleys can be set from 10 to 60 for shoes and boots, while for the soles up to 90. Each trolley has 2 floors, one for shoes or boots and one for soles. In case of **water based glue**, is available a **prechamber for prevention** and it's also available, a **system for heat keeping**, that works outside the treatment chamber, allowing to keep the **perfect temperature of the glue**, during the attachment of the sole to the shoe.

□ Where and Why?

Thanks too the **two treatment chambers**, Cyclone NIR is suitable for shoes which **foresee two cementing steps**, the quantities of production are high, in fact, this machine is widespread in many Asian footwear factories, that have production lines, working with **high intensity**.

MINI DRY MATIC NIR

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

MINI DRY MATIC NIR is an **automatic rotary modular machine**, 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 treatment is done by the use of a **vacuum system**, with high efficiency Nir infrared lamps. In case of **water based glue**, is available a **prechamber for preventilation** and it's also available, a **system for heat keeping**, that works outside the treatment chamber, allowing to keep the **perfect temperature of the glue**, during the attachment of the sole to the shoe. This machine can be configured from 6 to 10 trolleys. Mini Dry Matic NIR differs from Dry Matic NIR 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 increases. The possibility to carry out up to **3 cementing** in the same machine allows to **save space**; for these features Mini Dry Matic NIR finds its perfect location in the **working modules**. In addition it is possible to change the configuration of Mini Dry Matic NIR in the future, adding work stations.

Technical Features

		MiniDryMatic Nir
Output in 8 hours with vacuum drying time per trolley 50"	Pairs	one coat 1152 - two coats 576
Output in 8 hours with vacuum drying time per trolley 60"	Pairs	one coat 960 - two coats 480
Rated Power	Kw	23
Average Power	Kw	15
Air Consumption	NL	6
Dimensions	mm	6 trolleys version: 2900x1650x1700 10 trolleys version: 4500x1650x1700
Net Weight	Kg	6 trolleys version: 850 10 trolleys version: 1045

DRY MATIC NIR

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

DRY MATIC NIR is an **automatic rotary modular machine**, 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 treatment is done by the use of a **vacuum system**, with high efficiency **Nir infrared lamps**. In case of **water based glue**, is available a **prechamber for prevention** and it's also available, a **system for heat keeping**, that works outside the treatment chamber, allowing to keep the **perfect temperature of the glue**, during the attachment of the sole to the shoe. Dry Matic NIR differs from Mini Dry Matic NIR 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 increases. The possibility to carry out up to **3 cementing** in the same machine allows to **save space**; for these features Dry Matic NIR finds its perfect location in the **working modules**. In addition it is possible to change the configuration of Dry Matic NIR in the future, adding work stations.

Technical Features

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

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



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
Second automatic reactivation cycle for shoe and sole, once the determined TIME expires		
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"> • Low quality of the cementing, because the sole press is made without the right temperature. • We don't know if the workers carry out the sole press, always at the right temperature. 	<ul style="list-style-type: none"> • Better quality of the bonding. • To have confidence that the bonding temperature standards are always respected.
Second automatic reactivation cycle for shoe and sole, once the TEMPERATURE drops over the limit set		
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"> • Low quality of the cementing, because the sole press is made without the right temperature. • We don't know if the workers carry out the sole press, always at the right temperature. 	<ul style="list-style-type: none"> • Better quality of the bonding. • To have confidence that the bonding temperature standards are always respected.

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
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 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"> 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.

A.T.S. Optional

DESCRIPTION	ELIMINATED PROBLEM	BENEFIT
Anidros NIR		
<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"> 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.
Turbo Frost Matic		
<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"> 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.
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>		



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

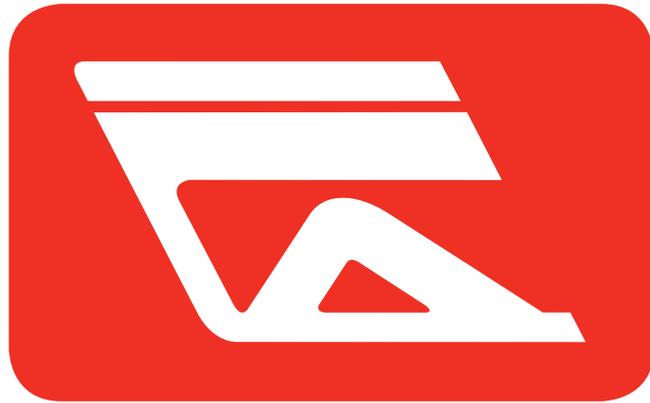
■ Overview

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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