

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"> • 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 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). • 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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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.
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CYCLOMOVE 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.
Electrical, air plants and motive power		
Installation of plants with lamps above the line, compressed air and motive power for the whole line.		
Training with a time and motion expert		
Our technician with pluriennal 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"> Difficulty in using the system to its maximum capacity . 	<ul style="list-style-type: none"> Productivity increase.