

25  
YEARS  
ANNIVERSARY



25  
COUNTRY

BETON BLOK MAKİNALARI  
CONCRETE BLOCK MACHINERY

BETON BORU MAKİNALARI  
CONCRETE PIPE MACHINERY



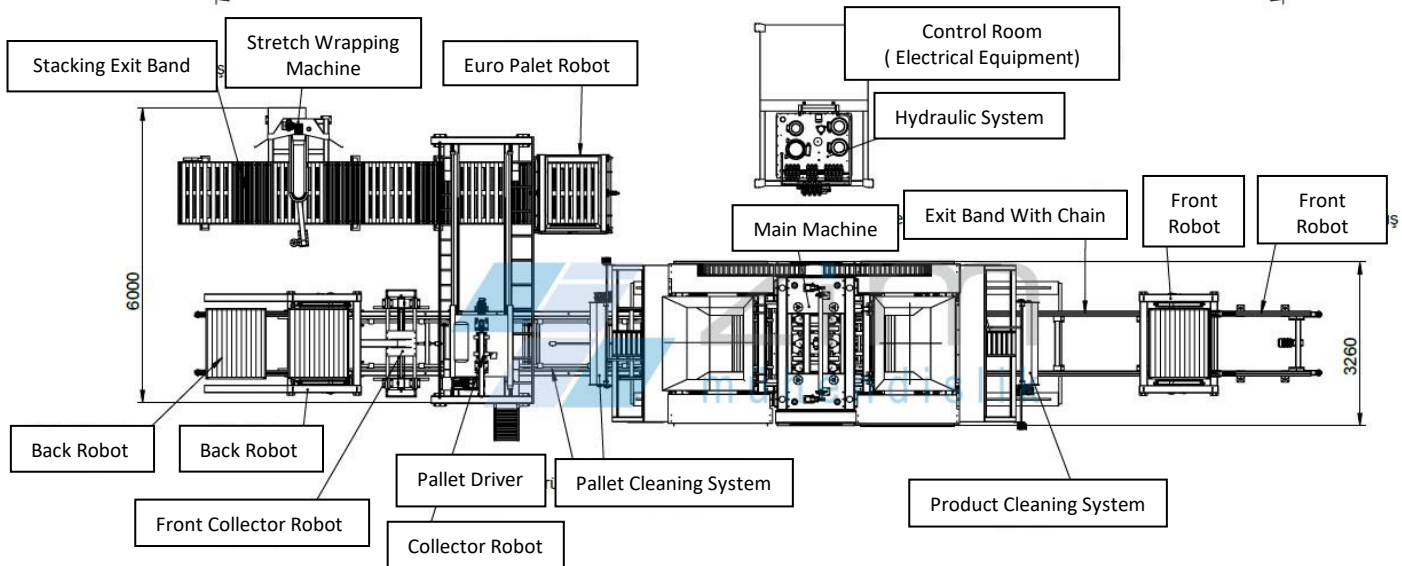
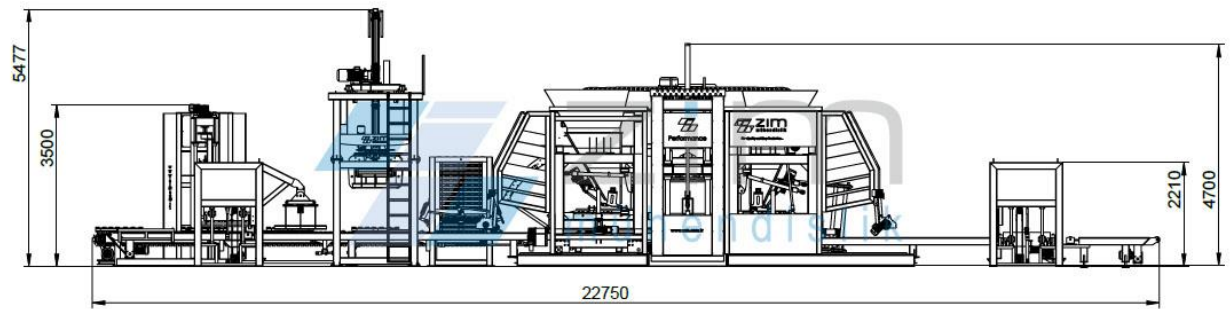
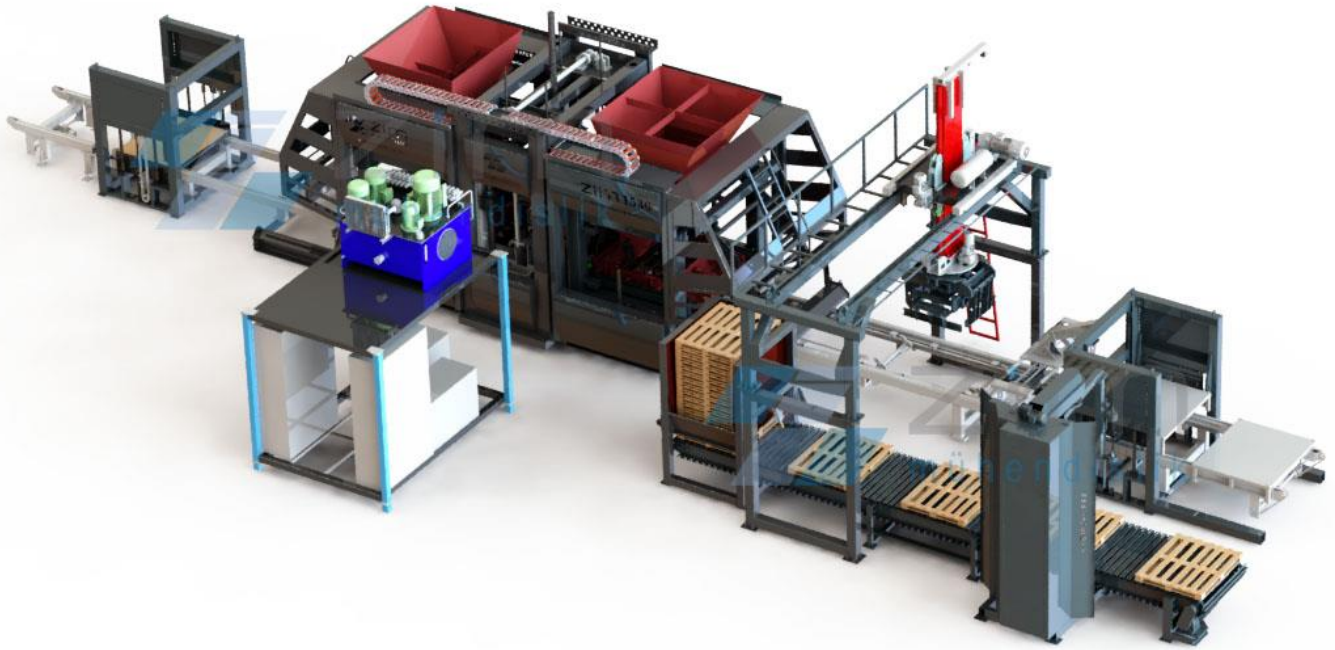
# ZIM 1536

COLLECTOR ROBOT SYSTEM





**MAXI DOUBLE PREMIUM MODEL ) ZIM 1536**  
**FULL AUTOMATIC CONCRETE BLOCK PRODUCTION MACHINE WITH COLLECTOR ROBOT**



[www.zim.com.tr](http://www.zim.com.tr) - [zim@zim.com.tr](mailto:zim@zim.com.tr)



**ZIM 1536 CONCRETE PAVERS AND BLOCK MACHINE**



[www.zim.com.tr](http://www.zim.com.tr) - [zim@zim.com.tr](mailto:zim@zim.com.tr)



## WHY ZİM MUHENDİSLİK?

### ▪ WIDE PRODUCT RANGE "WE ARE TOGETHER IN EVERY FIELD"

Our company started production with Concrete Pipes and Manhole Machines in **1997** and developed its product range with Concrete Paving and Block Machines in the following process. Our company is one of the **first** Automatic **Collector Robot** manufacturer in Turkey, completed its development in this area, which has assumed the role of leading companies sector further.

Our company, which has completed the design of the **first** domestic and national **Reinforcement Machine** with the R & D studies it has done in the past years, is proud of being a leading company in this field too!

It is your only address where you can meet all your equipment and needs related to **Concrete Pipe and Manhole Machines, Concrete Paving and Block Making Machines, Concrete Production Systems** to **24 countries on 4 continents!**

### ▪ AFTER SALES SERVICES " LIKE ONE OF YOU "

In the after-sales process, we see our valued customers as a part of our family, and with this feeling, one of you in many areas such as simulating the **installation plans in the virtual environment**, detailed **feasibility** study on installation processes, **training** and user **manuals** required for the operator. it works like this and we make sure you get the best start.



### ▪ SERVICE “ NO DELAY NO WASTE”

Thanks to its **advanced archive system**, our company, which keeps all the information obtained during the production processes of your machine in digital environment for a lifetime, can offer you the spare part you request as soon as possible. Thanks to the service team working on a **7 day 24 hour**, your processes are able to start without any delays and your production is prevented.

With the **Online Contact System**, we provide remote access with your automation panel, identify possible problems and errors in your machine and provide solutions to problems. **The hours you save with the active use of this technology give us happiness for you!**

### ▪ MATERIAL QUALITY “ ALWAYS THE BEST QUALITY “

We prefer German production **REXROTH** and American production **PARKER** for our Hydraulic Systems, which serve as the heart of our machines, and we design the most efficient working system for you.

In our automation systems, we prefer German made **SIEMENS** and **SCHNEIDER**, which allow us to apply the most advanced technologies to our machines, and with our specially developed software, we offer you our user-friendly panel with hundreds of warning information for all scenarios that may occur during use.

### ▪ QUALITY CONTROL "THE COMPANY THAT SET THE STANDARDS"

Our company, always aiming for the best, never allows a process that does not comply with our **quality standards**, with our **Quality Control Department** being involved in the process at every stage of our production, as well as using the highest quality components.

Our machines are manufactured as a **bolted system** and these connection points are processed in our **CNC Machining Center** and are included in the manufacturing process with maximum precision. This process allows the machines to work with **more stable, long-lasting and quality production!**





### FRONT ROBOT



### IT WORKS WITH ELECTRICAL ENGINE



[www.zim.com.tr](http://www.zim.com.tr) - [zim@zim.com.tr](mailto:zim@zim.com.tr)



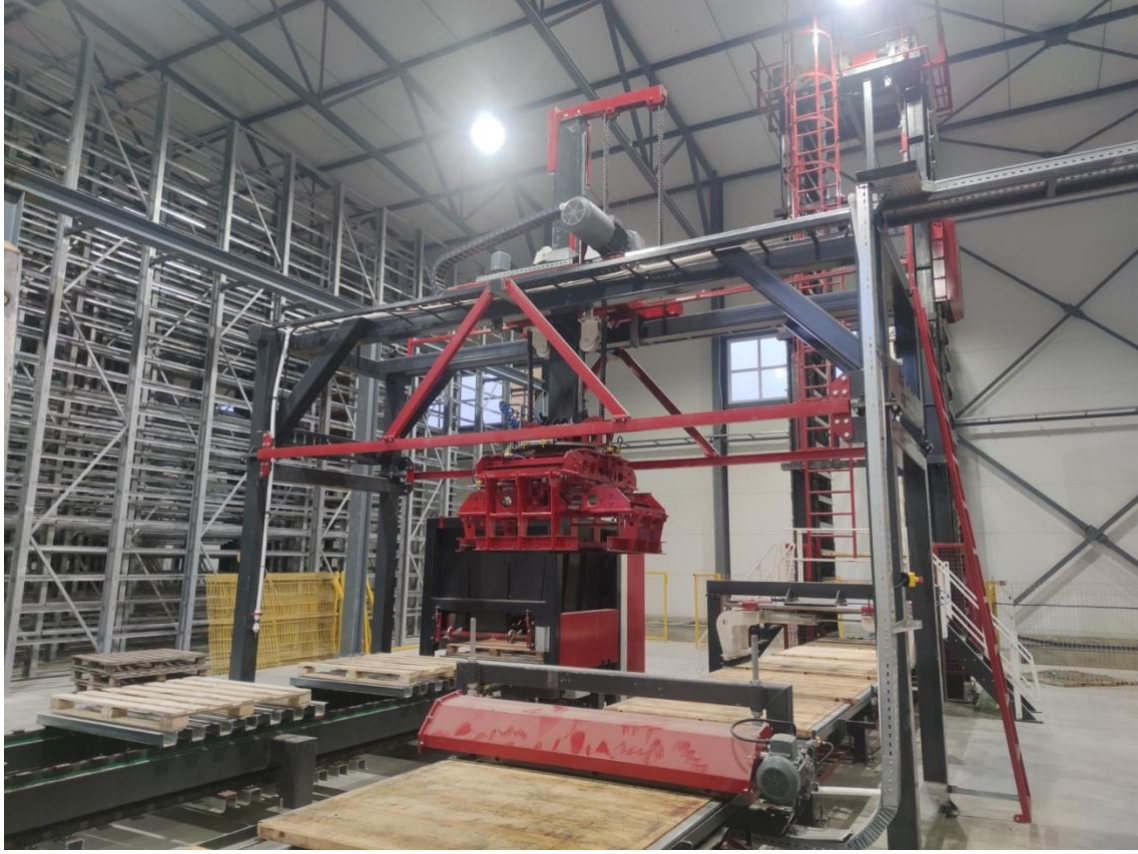
### BACK ROBOT AND PALLET DRIVER



### IT WORKS WITH ELECTRICAL ENGINE



[www.zim.com.tr](http://www.zim.com.tr) - [zim@zim.com.tr](mailto:zim@zim.com.tr)



### ▪ COLLECTOR ROBOT "THE RESULT OF R & D"

Our **Collector Robot** system, specially designed by our R&D team, works entirely with the help of **electric motors and pneumatic systems**. Unlike hydraulic system collector robots, which are an old technology, this choice has been made with its **easy routine maintenance and focus on serial work**. The jaw movements of our system are carried out pneumatically and we provide other movements through our electric motors.

Our collector robot, which is prepared according to a **20-second cycle time**, can work in coordination with **Stretch Wrapping and Euro Pallet robots** that you can use to increase your delivery quality.







**EURO PALLET ROBOT + STACKING EXIT BAND + STRECH WRAPPING MACHINE**



**EURO PALLET ROBOT**



**STRECH WRAPPING MACHINE**



## STRONG PRODUCTION WITH HIGH TECH MACHINE



[www.zim.com.tr](http://www.zim.com.tr) - [zim@zim.com.tr](mailto:zim@zim.com.tr)



## ■ AUTOMATION SYSTEM “ SMART AND USER FRIENDLY ”

Our automation system, which functions as the brain of our machine, is always created with using the highest quality components. **SIEMENS** and **SCHNEIDER** brand components are used in these systems and thus we have the opportunity to fulfill more functions while creating long-lasting systems.

An **EWS (Error Warning System)** with hundreds of codes has been designed for all kinds of errors and failures that may occur during the use of our machines. It warns the operator during use and prevents possible problems. In this way, while the service life of your machine is extended, you do not have to stop your production line due to malfunctions.

Our systems have **Remote Access Support** to speed up the service process. With the help of Remote Access Support and video call, we identify your needs faster and provide the solution faster!



**ELECTRICAL SYSTEM ( 4 PCS ELECTRICAL CABINET BOARD )**





**rexroth**  
A Bosch Company

**EATON**

▪ **HYDRAULIC SYSTEM “ BEST EFFICIENT WAY ”**

Our Hydraulic Systems are desinging by the professionals for **the best efficient way** of using the power. All our machines have **special desinged** hydarulic systems according to their own structure. In these systems we are using **REXROTH, EATON, PARKER** brand valves for the best quality.



## SAFETY BARRIERS FOR WORKING SPACE



## OPERATOR CONTROL ROOM AND POWER POINT



[www.zim.com.tr](http://www.zim.com.tr) - [zim@zim.com.tr](mailto:zim@zim.com.tr)



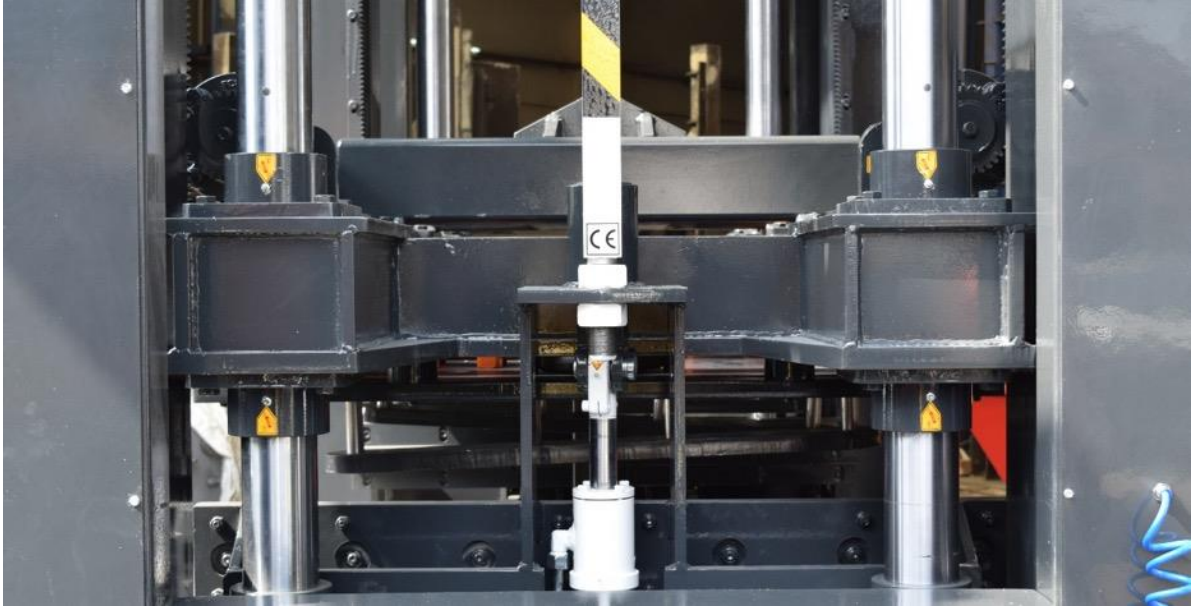
### ■ VIBRATION SYSTEM “ EFFICIENT AND STRONG “

Our specially designed vibration system has an **AUTOMATIC LUBRICATION SYSTEM**. Our company has the most advanced system in Turkey, thanks to a specially designed table that vibration reducing vibration transmitted to the body **35%** of the vibrator, provides a longer-lasting use.

**6 motors** are used in our system that provides power transfer with a shaft, and our system, which produces a total of **24 kW of power**, works with **driver control**. This power gives you a great advantage in the production of concrete paving stones.

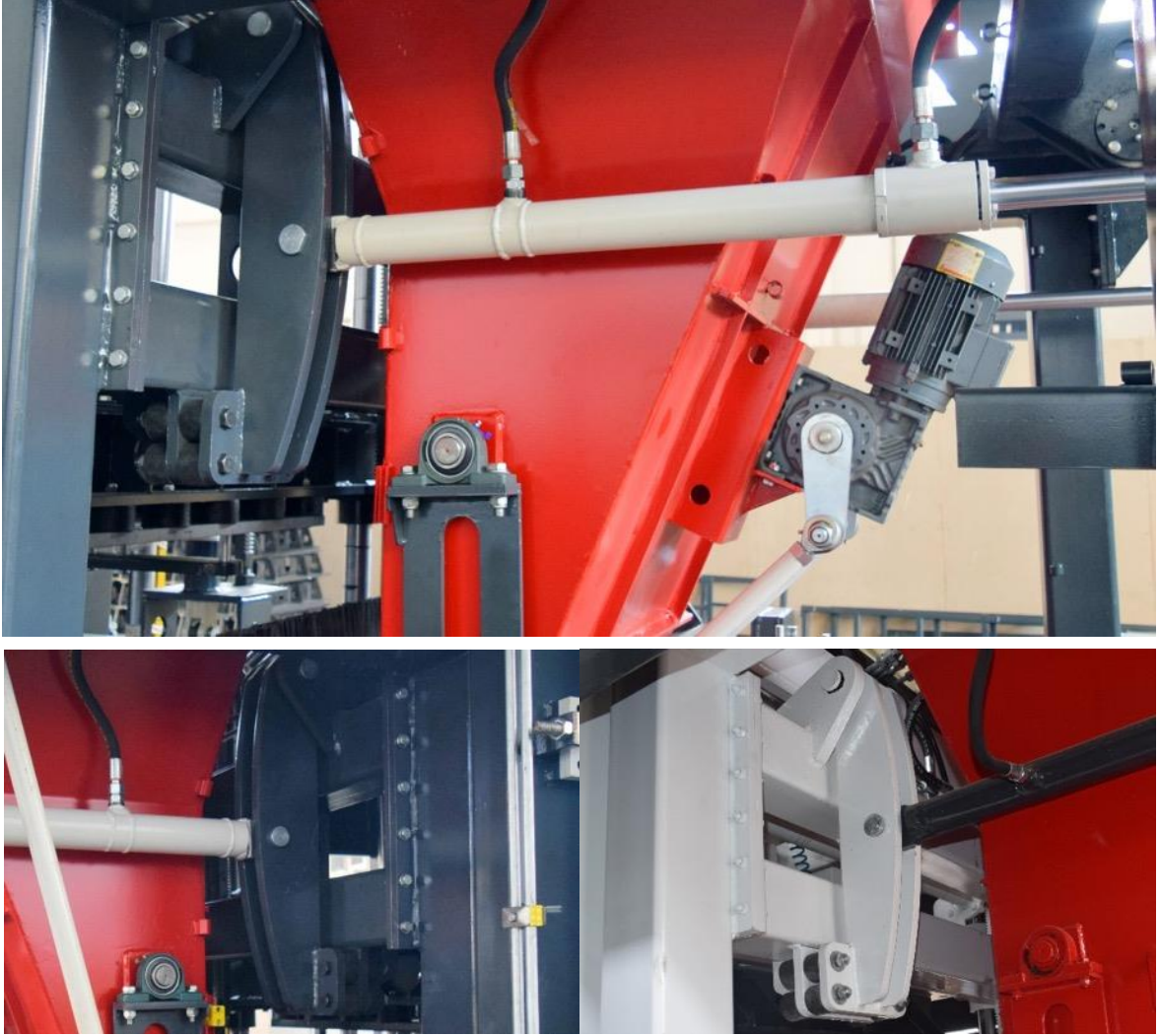
This vibration system, which we have designed using our experience from our deep-rooted past, can work for many years without any malfunction and offers you the **most efficient** service.





## ▪ MOLD BALANCING SYSTEM "YOUR STANDARD IS THE BEST QUALITY"

It is obvious that the necessary precision is not shown to balance the molds in ordinary machines you can find on the market. However, as ZIM Mühendislik, we are aware of the importance of this issue and we have performed all the sensitive work required in terms of production. Our **4-way balancing** mechanism works with a **rack gear system** and allows you to **stabilize** from 4 different points. While this system ensures that all points are equal, it delays destabilization. This system allows you to **move to a new level** in terms of production quality and ease of operation!



### ▪ **MORTAR CART ARM SUSPENSION “ STRONG, MORE STRONG “**

This system, which we created to absorb the momentary impacts that the mortar car arms can create during operation, was designed as a result of the **special analyzes** made on the body. This structure, which we have created by means of **rubber dampers**, has reduced the effect to the machine body by **25%**, ensuring a **longer life**.



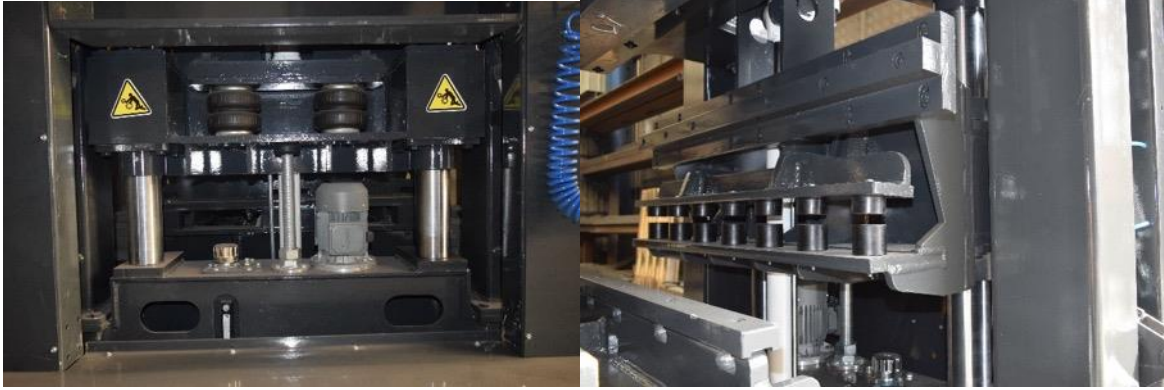
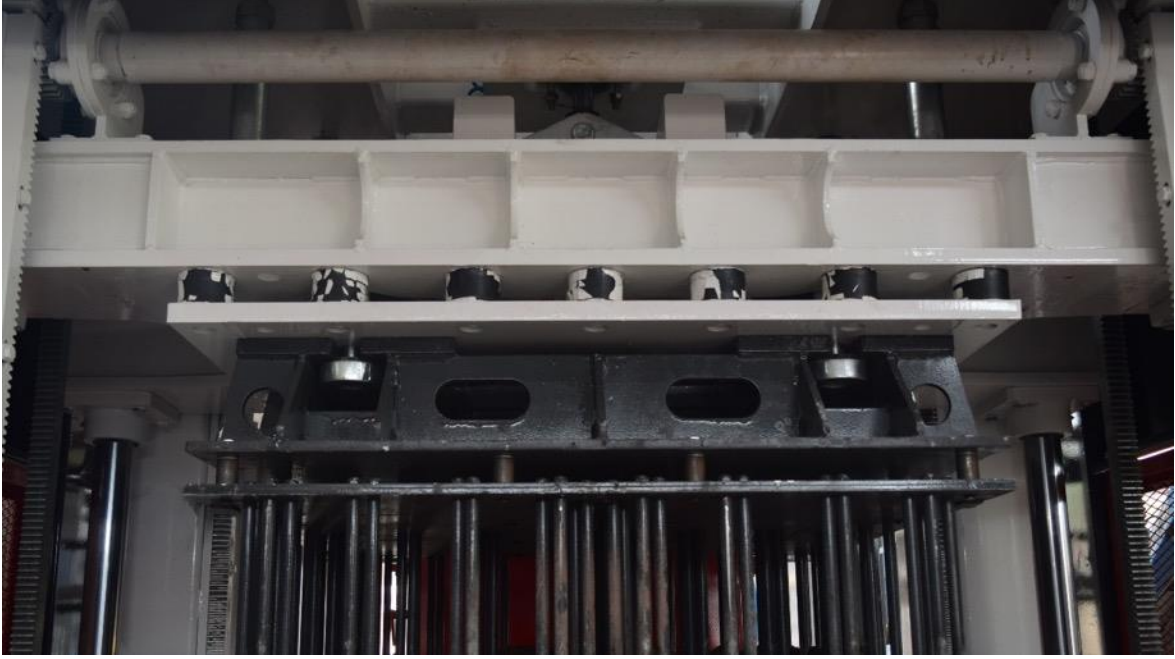
### ■ C BODY ELEVATOR SYSTEM "FOR FAST PRODUCTION"

Our system, which works with hydraulic equipment, has been designed by our **R&D team** to eliminate delays in the process of wet product output. It is an important advantage that the machine **only lifts the required area instead of** lifting the entire chassis. Thanks to this **significant** improvement, a gain of up to **20%** in machine cycle times has been achieved. It works in coordination with the **Pallet Elevator System**.



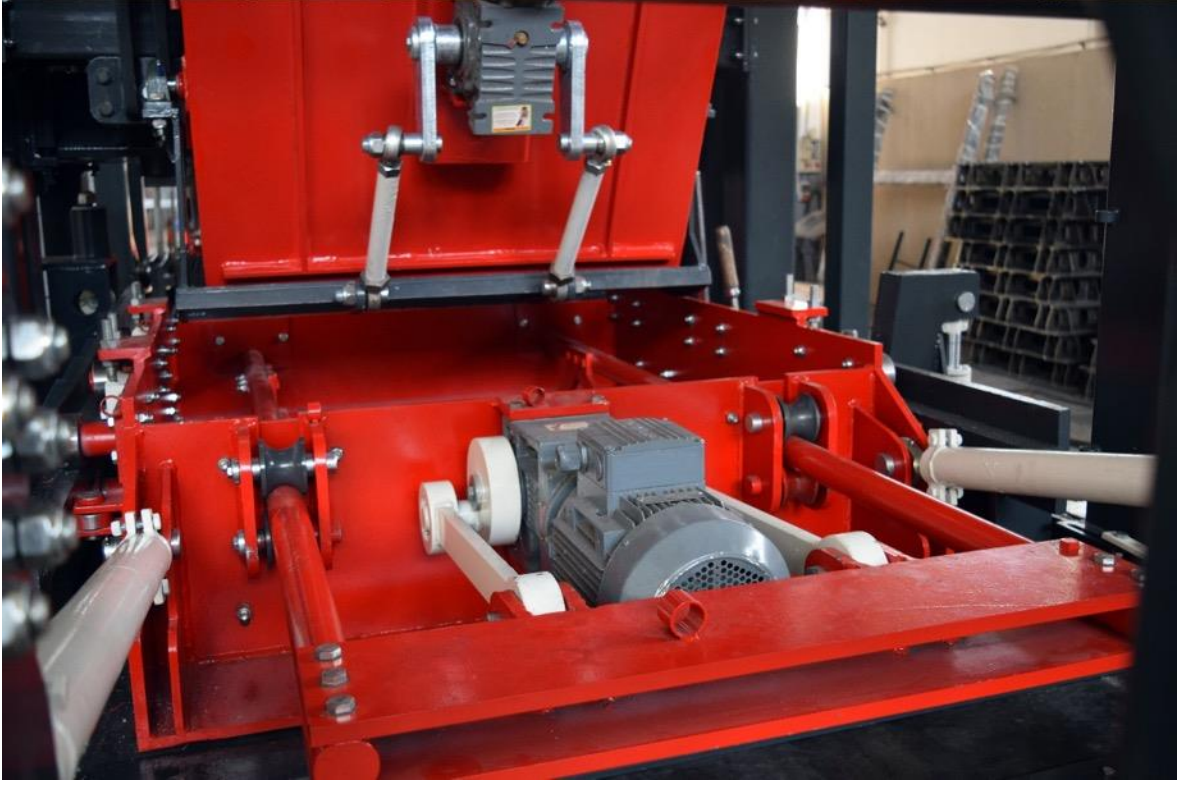
### ■ PALLET ELEVATOR SYSTEM "FOR FAST PRODUCTION"

Our Pallet Elevator System, which works with hydraulic equipment, has been designed by our R&D team to eliminate delays in the wet product exit process. The machine has achieved a gain of up to **10%** in cycle times. It works in coordination with the **C Body Elevator System**.



## ■ PNEUMATIC MOULD CHANGING SYSTEM “ FOR FASTER PRODUCTION “

Our system, which works by means of **pneumatic bellows**, is designed to accelerate the change of **upper and lower molds**. It has provided a gain of up to **10 times in mold change times**. Our system, which is used with a **mold changing cart**, can reduce mold change times up to **4 minutes** depending on the user.

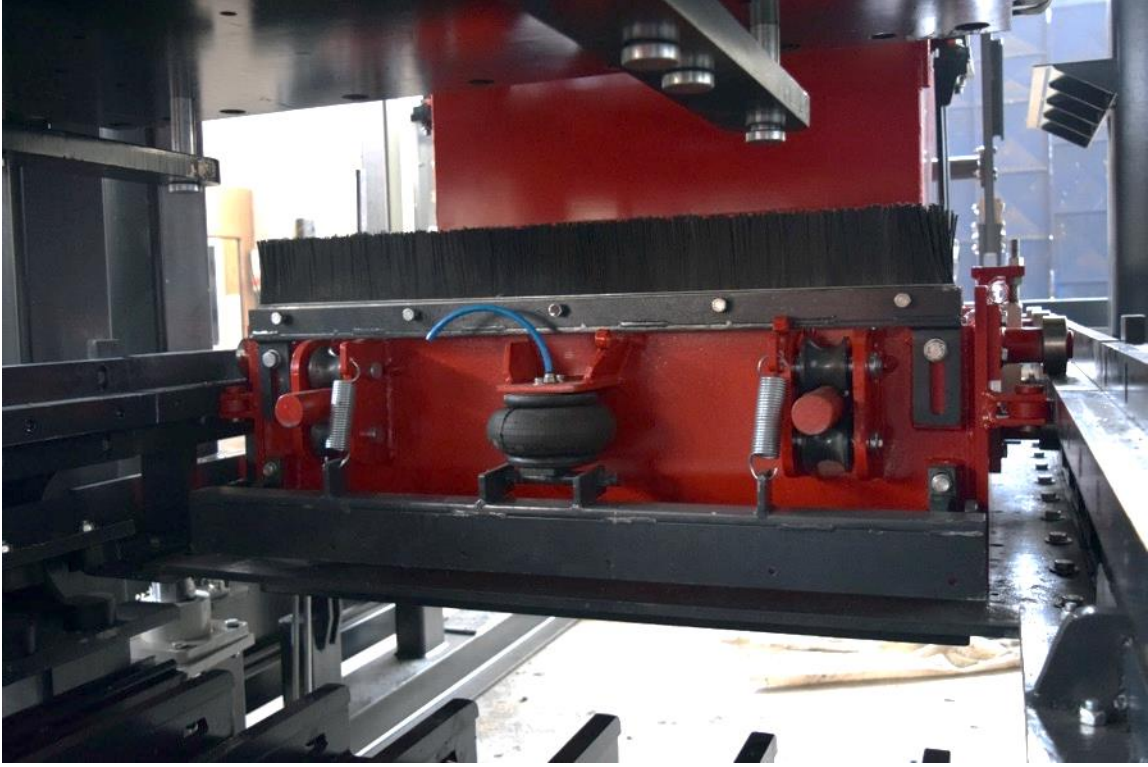


### ■ INNER FILLING SYSTEM "EQUAL AND FAST"

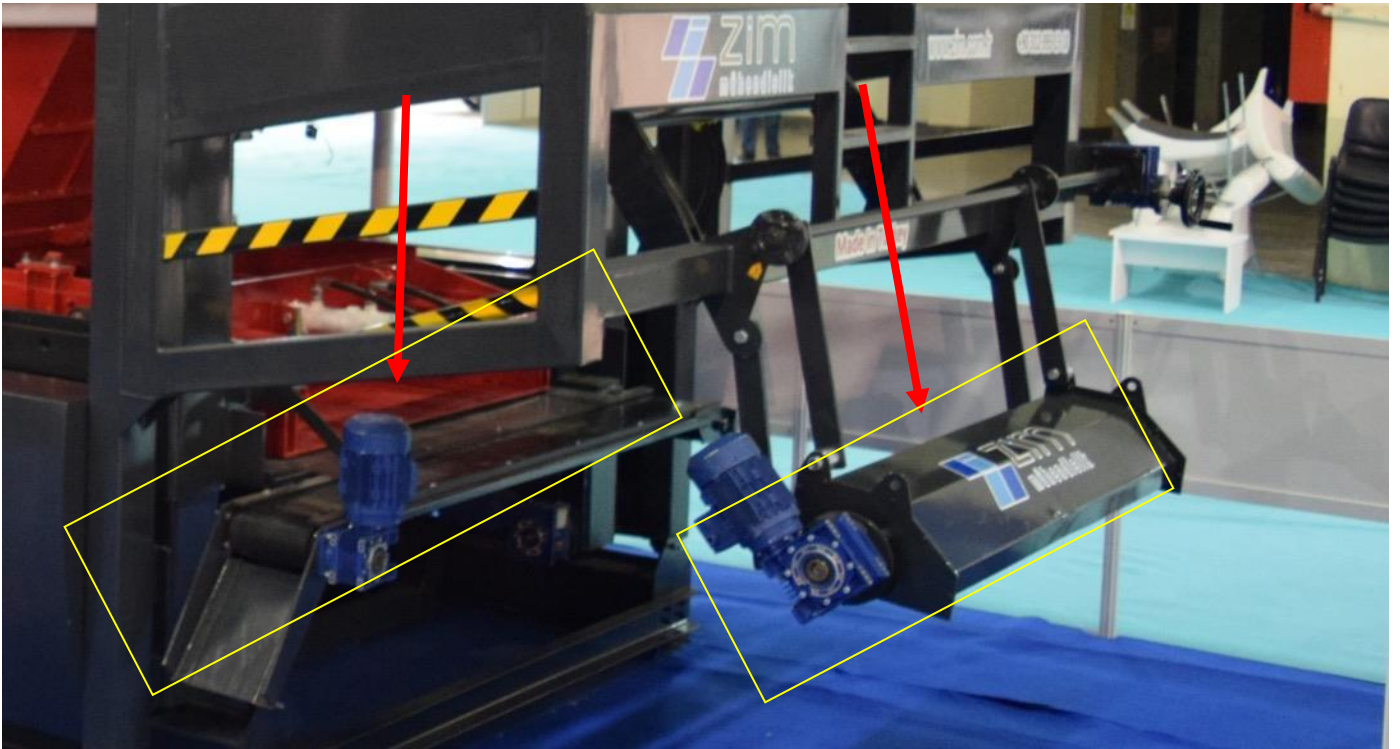
The Inner Filling System, which is designed to fill the thick mortar section faster and more evenly, can work with **hydraulic** and **electrical power** systems. In addition to the **10% time** it saves in filling times, **equal filling** is also of great importance for **quality production**.



### PNOMATIC MORTAR CLEANING SYSTEM ON MORTAR CART



### WASTE MORTAR CONVEYOR AND PALLET CLEANING SYSTEM





## ELECTRICAL BUNKER COVER



## ELECTRICAL PLATFORM HEIGHT REGULATING SYSTEM (2 PCS)







### BUNKER TRACKING SYSTEM ( LOADCELL )

