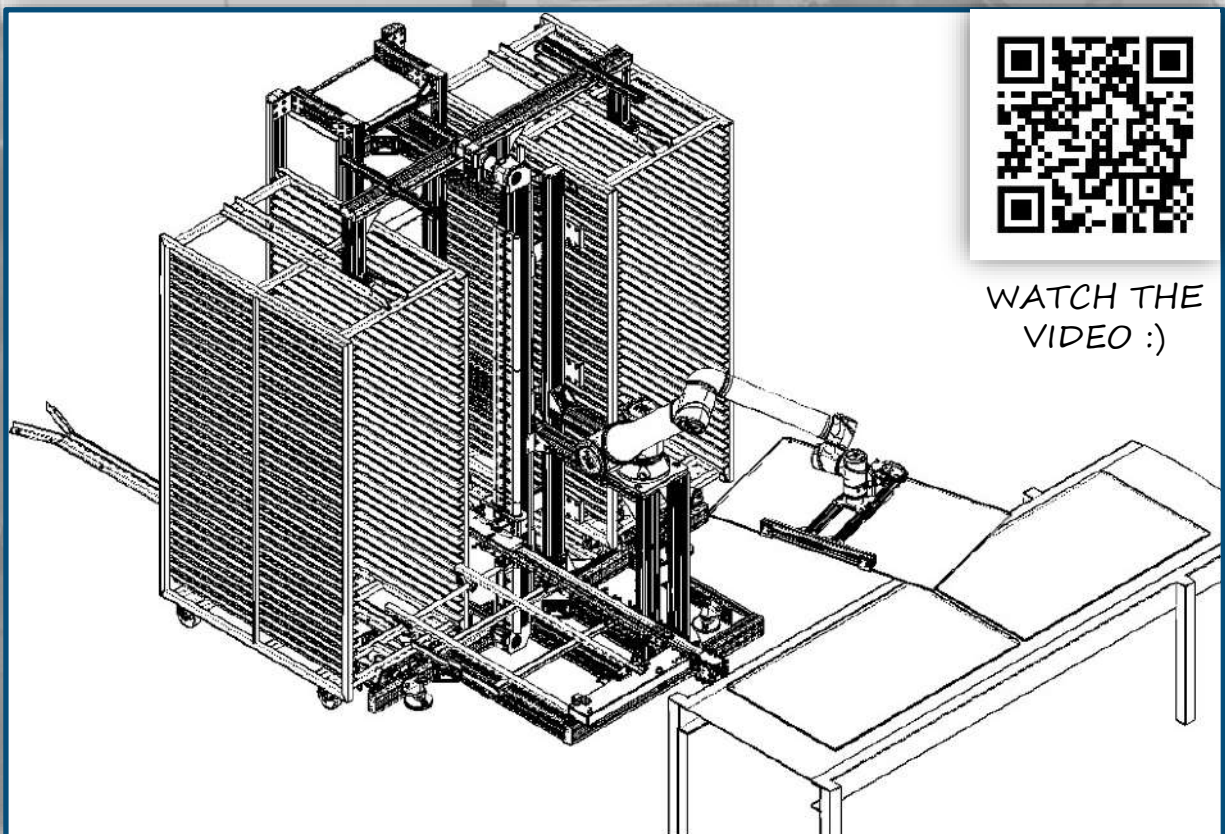


SOLUTION FOR LOADING / UNLOADING OF TECHNOLOGICAL EQUIPMENT



## ROBOTIC SYSTEM for loading / unloading trays (pallets) into containers



*I cannot say whether things will get better if we change;  
what I can say is that they must change if they are to get better."*

*Georg Lichtenberg, scientist, philosopher and publicist*

4-The Fourth Industrial Revolution, which is happening in the world right now, leads toward the liberation of the human from routine manual work and toward the increased competitiveness. Helping our customers to keep up with time, we suggest making a transition to Industry 4.0 and to the unmanned production based on our solutions. We would like to introduce one of our solutions:

## ROBOTIC SYSTEM FOR LOADING / UNLOADING TRAYS (PALLETS) INTO CONTAINERS



### DESIGNATION

This robotic system is designed for **loading / unloading trays or pallets into containers** for the consequent baking, freezing or storing. The robotic system operates with no friction between trays (pallets) and the container shelves to avoid metal shavings or dust.



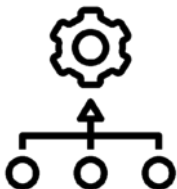
### OPERATION SPEED

The operation speed is **up to 10 pick & place operations per minute** for a tray of 1000 mm x 600 mm size.



### OPERATION MODE

The robotic system is designed for a **continuous operation** with two containers alternately. If only one container is used, the robotic system stops during the container replacement.



### SYSTEM COMPOSITION

This robotic system consists of an industrial collaborative robot with a gripper, one or two container places with a trays (pallets) feeding system, a safety system based on a safety scanner with a set safety area and a protective fence, automation products for synchronization with the conveyor and a PLC-based control system.



### COLLABORATIVE MODE

The robotic system can be operated in a **collaborative mode with a reduced operation speed**. Operation in a collaborative mode requires no safety scanner or a protective fence.

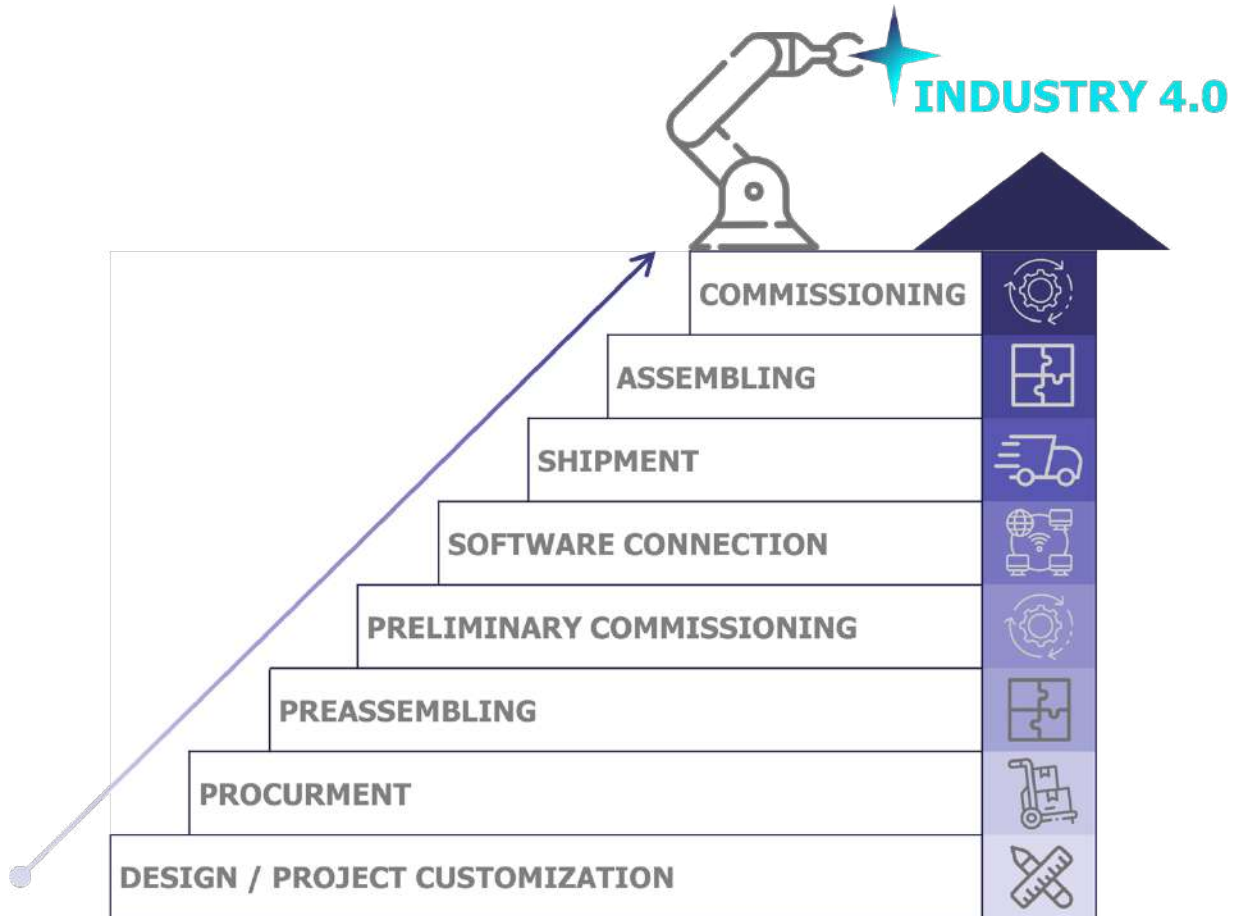
STATION DIMENSIONS	Width	2050 mm	CHARACTERISTICS OF THE TRAY (PALLET)	Weight with products	up to 4 kg
	Depth	1850 mm		Length	up to 1000 mm
	Height	2200 mm		Width	up to 600 mm
Container height				up to 1800 mm	
Transfer cycle at rated load (load factor = 0,8)				7,5 s	
Minimum transfer cycle value (load factor = 1)				6 s	

## HOW WE ARE WORKING

The business model of our company supposes manufacturing to order. Describe your task to us, and we will find the best solution for you, present it to you and adjust the solution according to your requirements.

THE FULL MANUFACTURING CYCLE WILL LAST 4,5-12 MONTHS\*.

*\*The exact duration depends on the complexity of the solution designed for You.*



AFTER COMMISSIONING WE PROPOSE FOLLOWING SERVICES:



STAFF TRAINING

We will provide you with the detailed instructions on the warehouse functioning. We will also support your specialists in their operations during



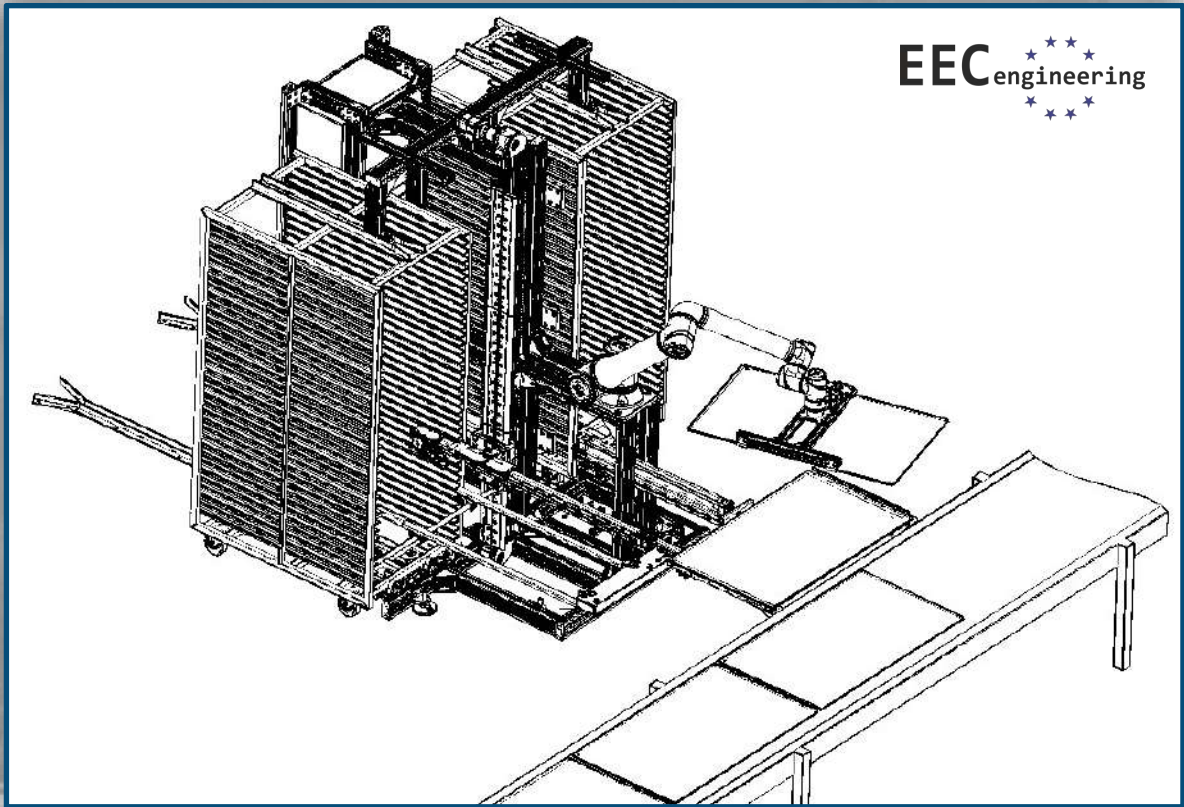
SERVICE 24/7

If there are technical problems, our team will efficiently help you fix them.



REMOTE SUPPORT

You can get prompt advice on warehouse operations at any time.



**Please contact us by email or phone if you would like to receive more details.**

**Tel.: +37067035785**

**E-mail: [info@euroec.lt](mailto:info@euroec.lt)**

*Please use the QR code below to know more on other solutions in the area of automation that we developed:*



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