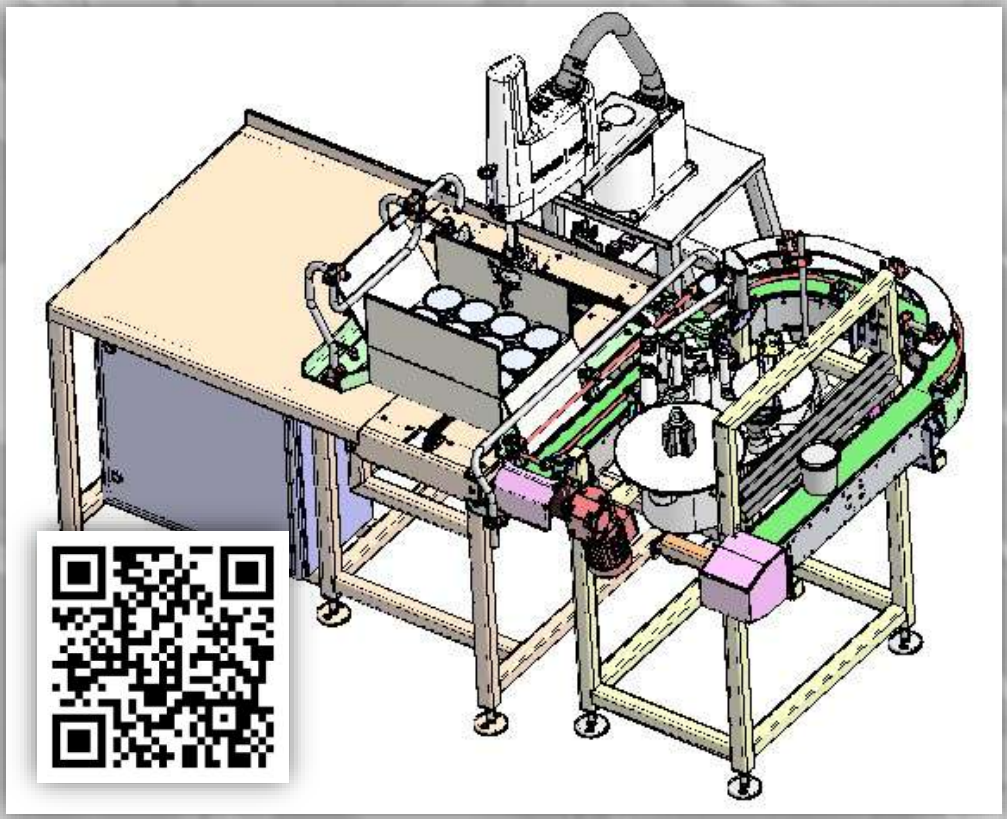
EEC engineering

GROUP PACKAGING PROCESS AUTOMATION

ROBOTIC SYSTEM
for digital marking products and multipack packaging

(with visual quality check)



WATCH THE VIDEO :)

UAB, "EEC Engineering"

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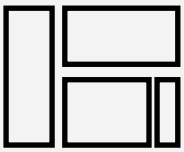
I cannot say whether things will get better if we change;
what I can say is that they must change if they are to get better."

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 DIGITAL MARKING PRODUCTS AND MULTIPACK PACKAGING



DESIGNATION

This robotic system is designed for **multipack packaging of products of up to 10 kg weight into a box of up to 400 mm high** (for example, in a cardboard box). Digital marking application (QR-code, date and other information) is an **option** during the packaging process.

SYSTEM COMPOSITION

This robotic system is based **on a high-speed SCARA robot** and is equipped with a feed conveyor and a box supply system.

OPERATION SPEED

Operation speed depends on the weight and type of the product and, is generally limited by **one pick-and-place operation of 2 seconds**.

QUALITY INSPECTION

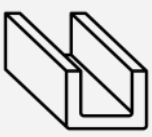
Visual inspection (shape, color and marking verification) of each product is carried out by machine vision. Bad products are omitted by the robot and are directed into the special place for rejections.

ADDITIONAL OPTIONS

The robotic system can be equipped with **additional control systems**, for example, weight control system. In case **palletizing** is needed, an additional robot shall be used.

PACKAGING OPTIONS

This robotic system implements packaging in **one or more layers** using pneumatic, mechanical or electromagnetic gripper.



DIMENSIONS, MATERIAL USED AND IP CLASS

Overall dimensions of the **basic version** of the system: **2100 mm x 1290 mm**. Robotic system material is **stainless or painted steel.** Degree of protection is up to IP69k. For food handling food grade material is used.

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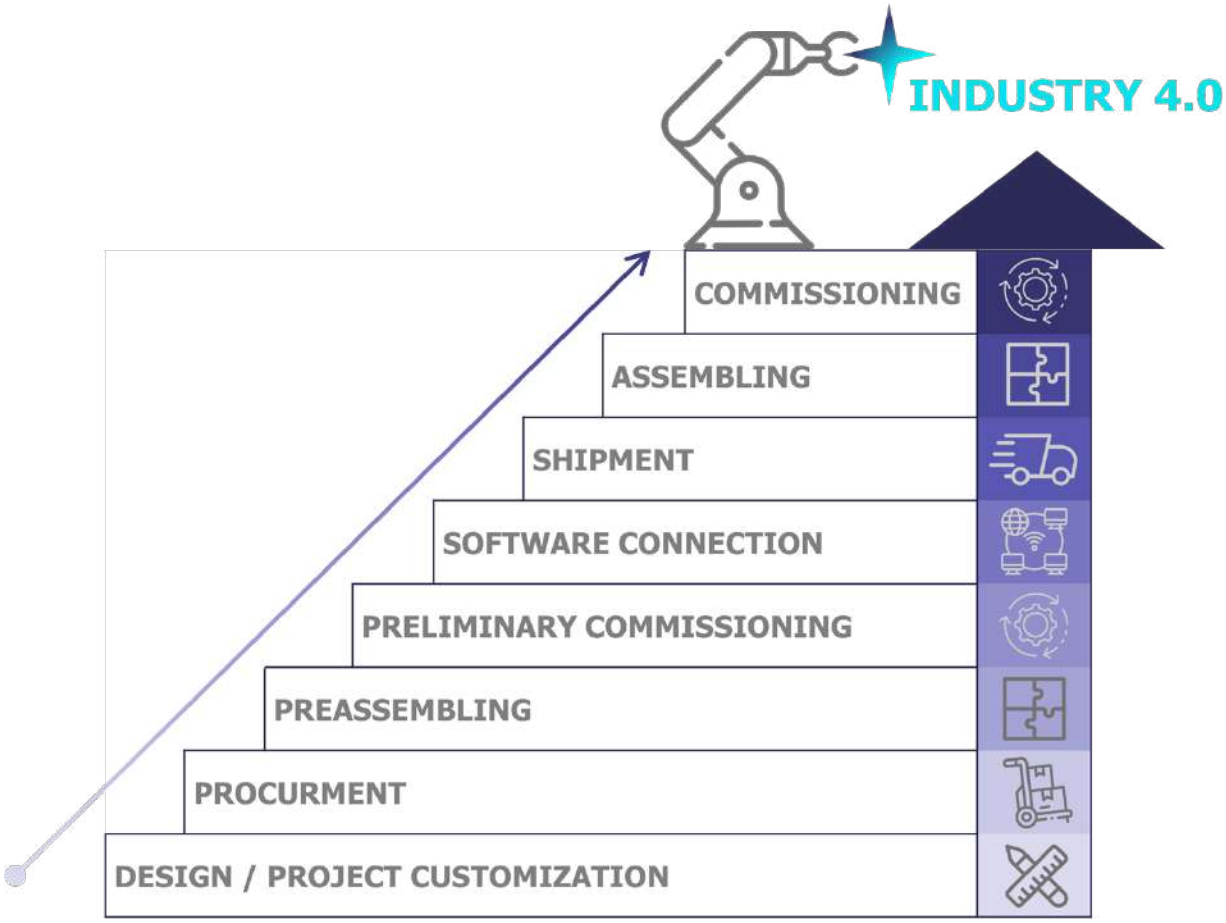
HOW WE ARE WORKING

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 COMMISSIONNING 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 the pre-defined period of time.

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 on the automatic warehouse system.

Tel.: +37067035785
E-mail: 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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