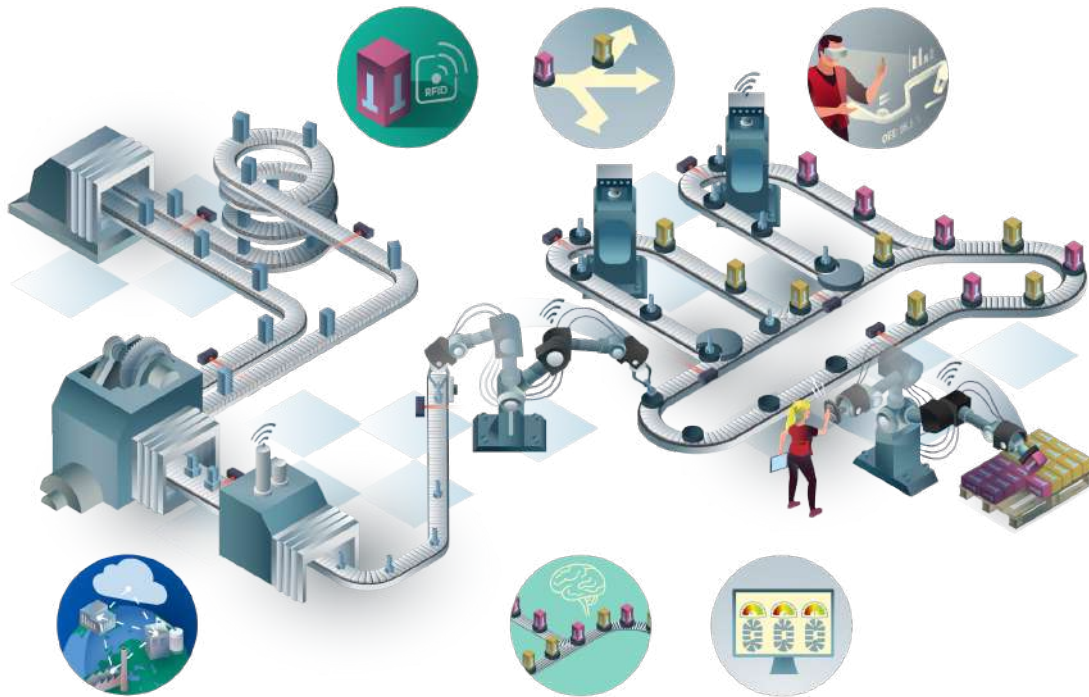




CONVEYOR SYSTEMS AND AUTOMATION SOLUTIONS

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INTRAMOTION UKRAINE is a system integrator and components supplier for
Automation of product transportation at production side



The history of the company

2016

Entering Eastern Europe market with MS Plus Automation



2019

Partnership agreements with Festo, Omron and Habasit



2021

Machine vision division. IntraMotion became sole representative of Sensopart in Ukraine



over 10 years of experience in factory automation logistics

2013

Brand IntraMotion starts in 2013, when the company with the same name was founded in Lviv, focused in development and production of conveyors, based on a modular system.



2018

IntraMotion became an exclusive representative of FlexLink in Ukraine, Georgia, Azerbaijan and Moldova.



2020

Engineering and Operation division. Start of production of own roller and belt conveyors



2023

Deep focus on OEM production
Partnership with LMI, new Vision laboratory



Our main consumers are Productions in following industries:
FMCG, automotive industry, pharmaceuticals, tobacco, etc.

Our main customers are:

Nestle Lviv, Kharkiv, Torchyn

Mondelez, Trostyanets

Roshen, Kyiv, Boryspil, Vinnytsia

SKF, Lutsk

Philip Morris, Kharkiv

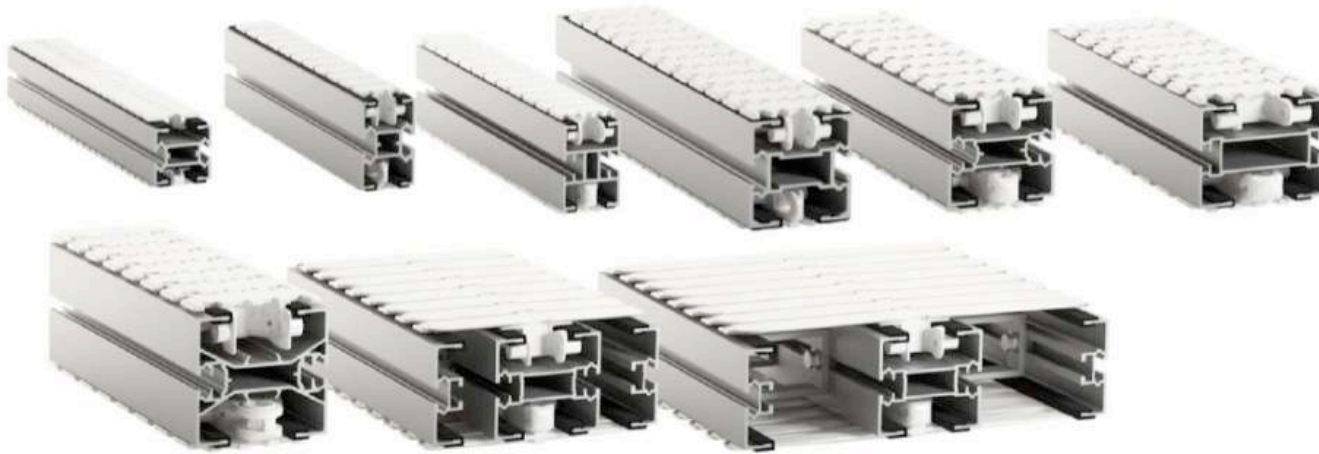
JTI, Kremenchuk

Arterium, Lviv



Solutions and services for production flows

- ✓ Conveyor systems and components
- ✓ Machine vision
- ✓ Pelletizing solutions
- ✓ Work safety solutions
- ✓ Line design and line design tools
- ✓ Engineering outsource
- ✓ Individual industry solutions incl. R&D



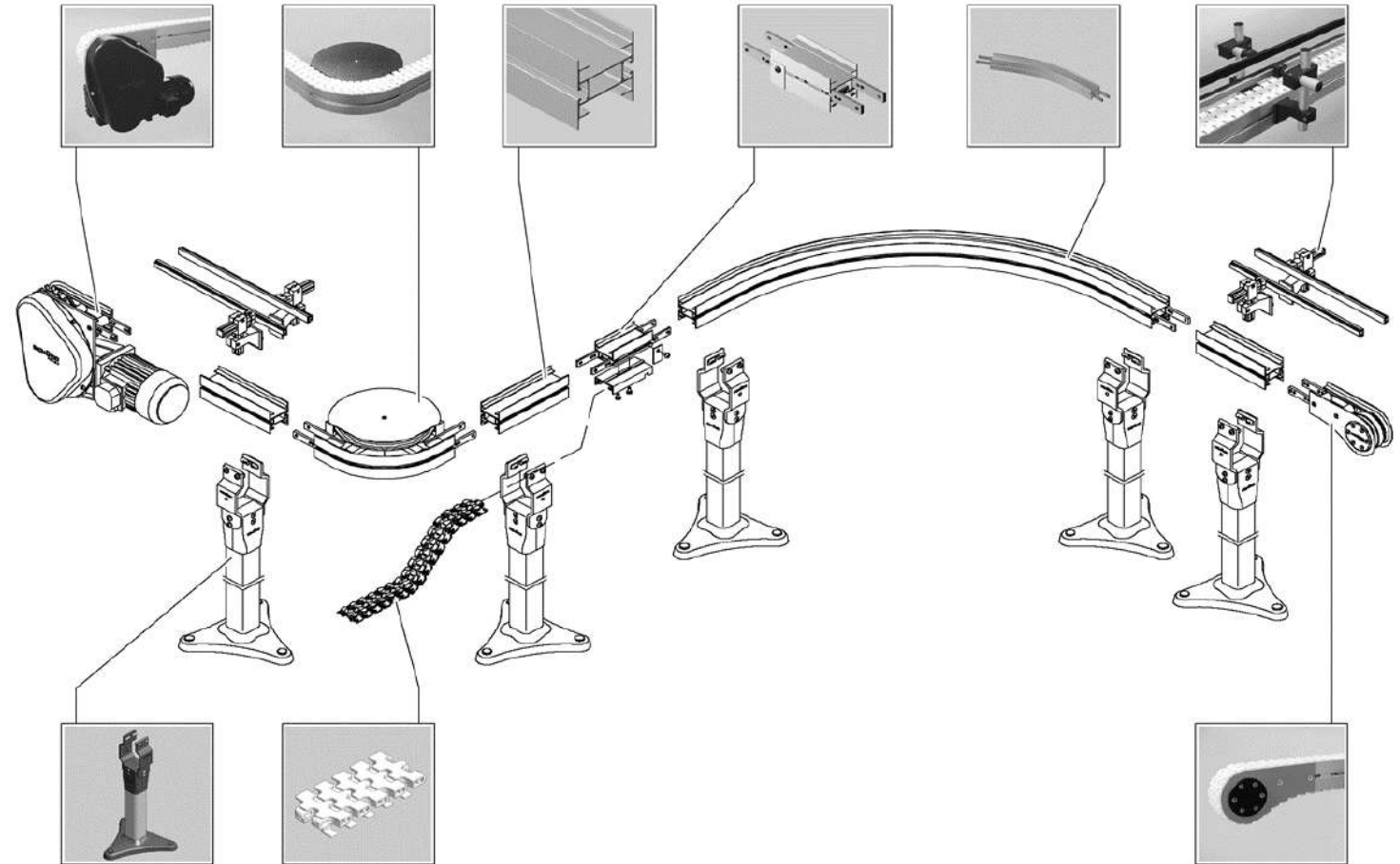
FlexLink modular conveyors are designed for transportation of products up to 1200 mm. Each system consists of a wide range of modular components that can be installed using simple hand tools.

Our unique offer:

- Modular concept
 - Digital and mechanical
 - Plug-and-play modularity
 - Re-usability
- Standardization
- Design tools and Simulation
- Operator friendly
- Global support

Effects:

- Minimization of line design errors
- Verified low Total Cost of Ownership
- Rapid assessment
- Delivery time
- World standards





The **Spiral conveyor** is a compact, high-performance solution for moving goods vertically. It ensures continuity of production flow, and lifting is as simple and reliable as on a usual straight conveyor.

The spiral conveyor provides ascend of a line up to 4000 mm at the maximum speed up to 60 m / min.



Gripper conveyor. To provide fast and smooth transportation in horizontal and vertical directions two conveyor tracks that are parallel to each other are used in gripper conveyor. Such conveyors can be installed sequentially if the production flow is synchronized. Gripper conveyors are well fitted for high-efficiency productions and allow to save space.



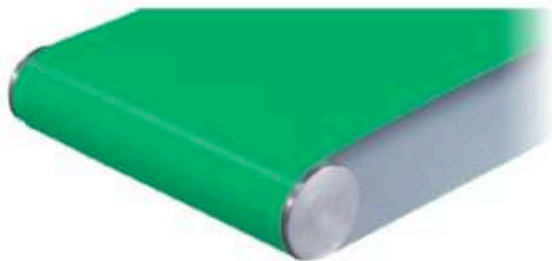
FlexLink RC10 is a standardized palletizing cell, designed to gently palletize your products with consistent quality and precision. Thanks to docking station design, the robotic palletizing system also allows for maximum flexibility, intended to be moved with ease across the production line as needed.

With this flexibility, the RC10 can be moved and plugged in as necessary, giving the freedom to use it in different production areas as required. Without complicated programming, the robotic palletizing system can easily be run to work in a new place.

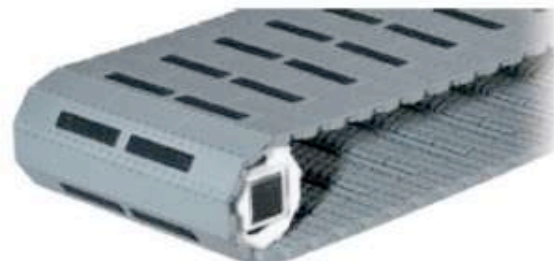
- ❑ Strapping equipment in limited space
- ❑ Connection of transport flows in multilevel productions
- ❑ Solutions for the accumulation of manufactured products using transport systems



Based in Switzerland, **Habasit** is a leading global manufacturer of conveyor belts and power transmission belts for the food, textile, wood and paper industries, postal, logistic centers and automotive. We offer a wide range of products, including fabric-based tapes, plastic modular tapes and chains, power transmission belts, timing belts.



HabaFLOW®



HabasitLINK®



Cleandrive™



HabaSYNC®



HabaCHAIN®

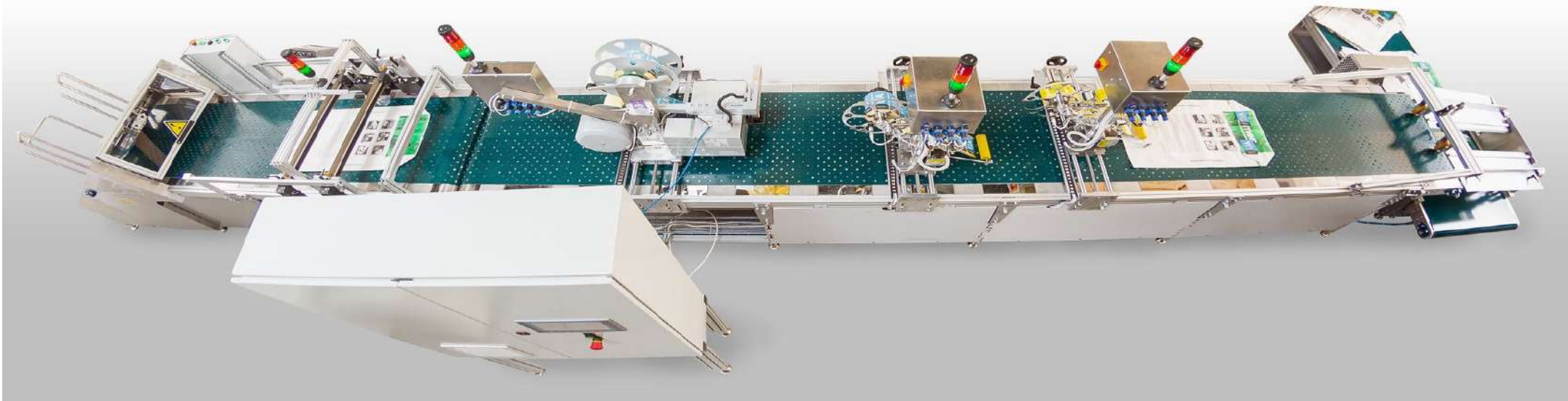






PAPER BAG LABELING LINE FOR SEED PROCESSING PLANTS

The line is designed for automatic feeding of paper bags to a vacuum conveyor, positioning, printing, labeling and assembling of bags on a discharge conveyor.



Bearing processing line automation

Production flow of TRB rings processing line predicts inner and outer ring flows merge and diversion, changing level with lifts, positioning control, buffering and logic programming based FIFO and green flow principles, as well as Safety guards and enclosure.



WET WIPES SECONDARY PACKAGING LINE

The line is built with modular principle and consist of quality control, flow diversion, 90 degrees rotation, case-packing, box erecting, case-packer, box sealing, flow merge modules.



INTRAMOTION – official representative of SENSOPART in Ukraine



Sensors



Optical sensors

- Distance sensors
- Color, contrast and luminescence sensors
- Photoelectric sensors and proximity sensors
- Fiber-optic sensors
- Fork sensors and optical windows



Ultrasonic sensors



Inductive sensors

Machine Vision



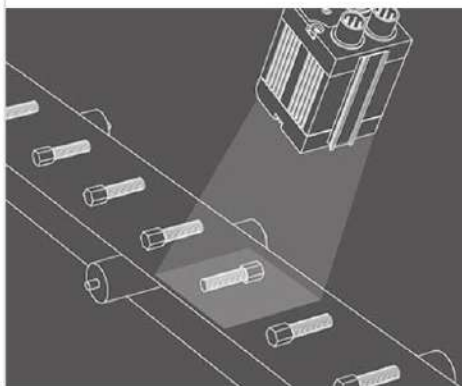
Vision sensors

- VISOR® Allround
- VISOR® Code Reader
- VISOR® Color
- VISOR® Object
- VISOR® Robotic
- VISOR® Solar



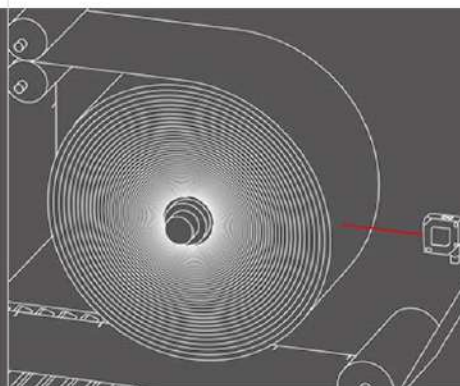
Vision systems and smart cameras

Detecting objects



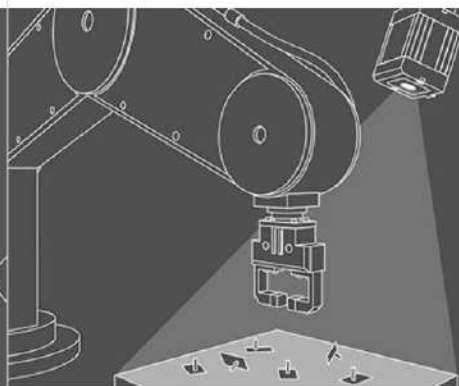
- Inspection of presence
- Inspection of completeness
- Counting and sorting of parts

Measurement



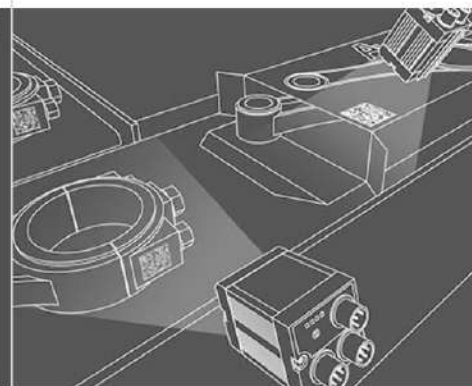
- Measuring parts
- Monitoring sag
- Measuring thickness and distance
- Checking filling levels

Positioning



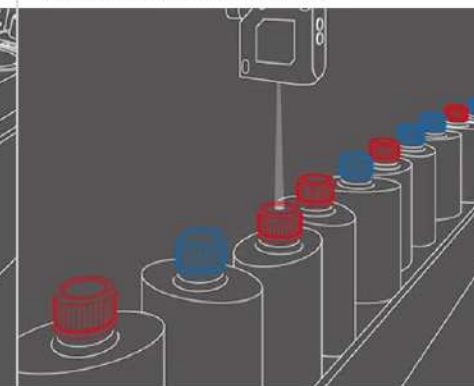
- Pick & Place / Robotics
- Front-edge detection
- Quality inspection
- Position correctness

Identification



- Reading of bar codes and data matrix codes
- OCR
- Tracking of components (track & trace, serialisation)
- Color identification

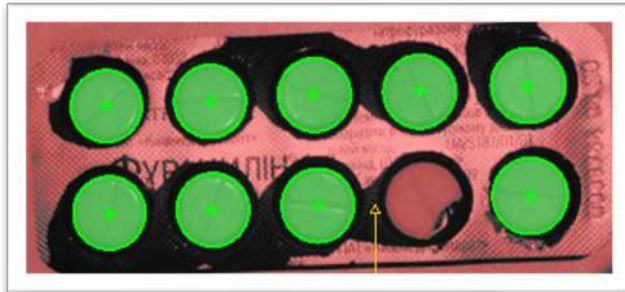
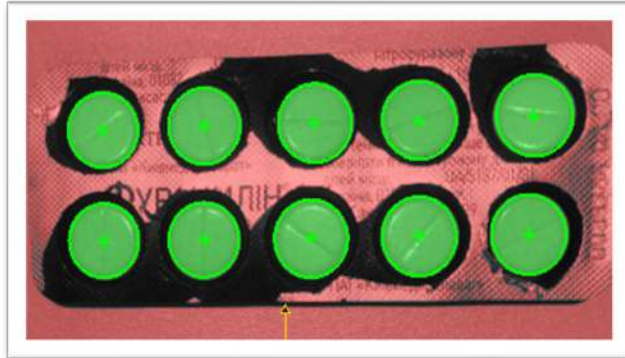
Detecting colors, contrasts and luminescences



- Checking presence of colored objects
- Printed mark detection
- Inspection of LEDs
- Color inspection
- Detection of luminescent objects

Since 2023 we represent leading provider of 3D scanning and measurement solutions





Quality and Compliance Testing in the Project:

Testing Scope:

1. Tablet Quantity Verification in Blister:

- Ensuring conformity to the declared quantity of tablets in the blister and preventing deviations.

Compliance:

2. Tablets Compliance Verification:

- Checking tablets for adherence to specified characteristics and quality standards to ensure high-quality production.

Size and Color:

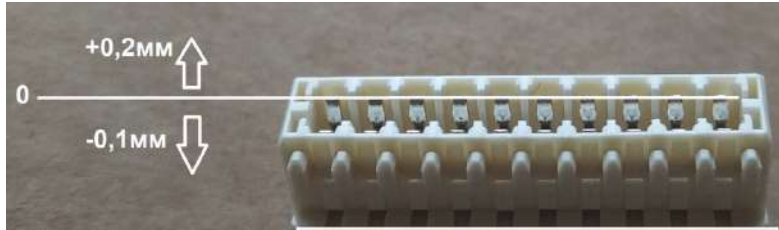
3. Precise Verification of Sizes and Color Matching:

- Thoroughly checking the sizes and confirming the color consistency of each tablet to comply with standards and ensure uniformity.

Damage Inspection:

4. Systematic Examination of Blister for Damages:

- Regularly inspecting blisters for any damages, ensuring the safety and quality of the production.



Quality and Compliance Testing in the Project:

Testing Scope:

- Ensuring the correctness of crimping for effective connections.

Compliance:

- Ensuring the integrity of all contacts in the connectors.

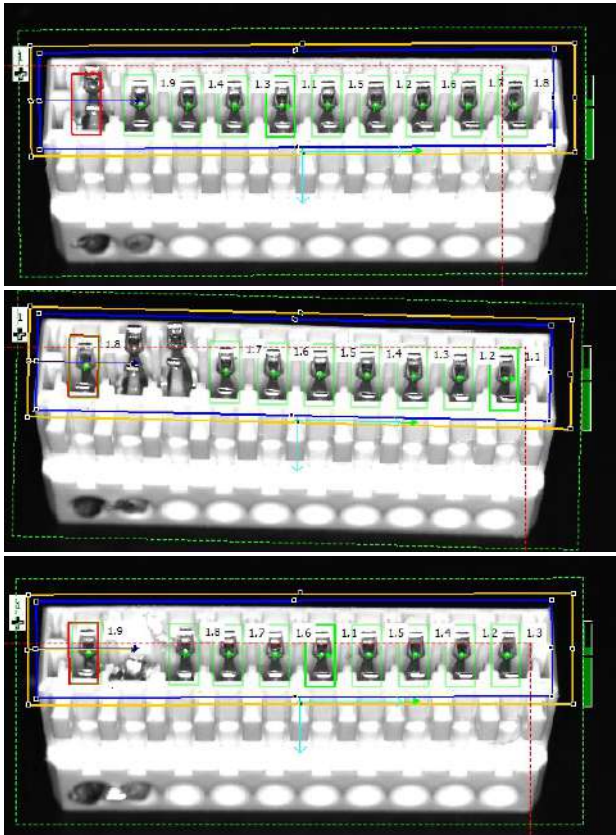
Checking the Presence or Absence of Contacts:

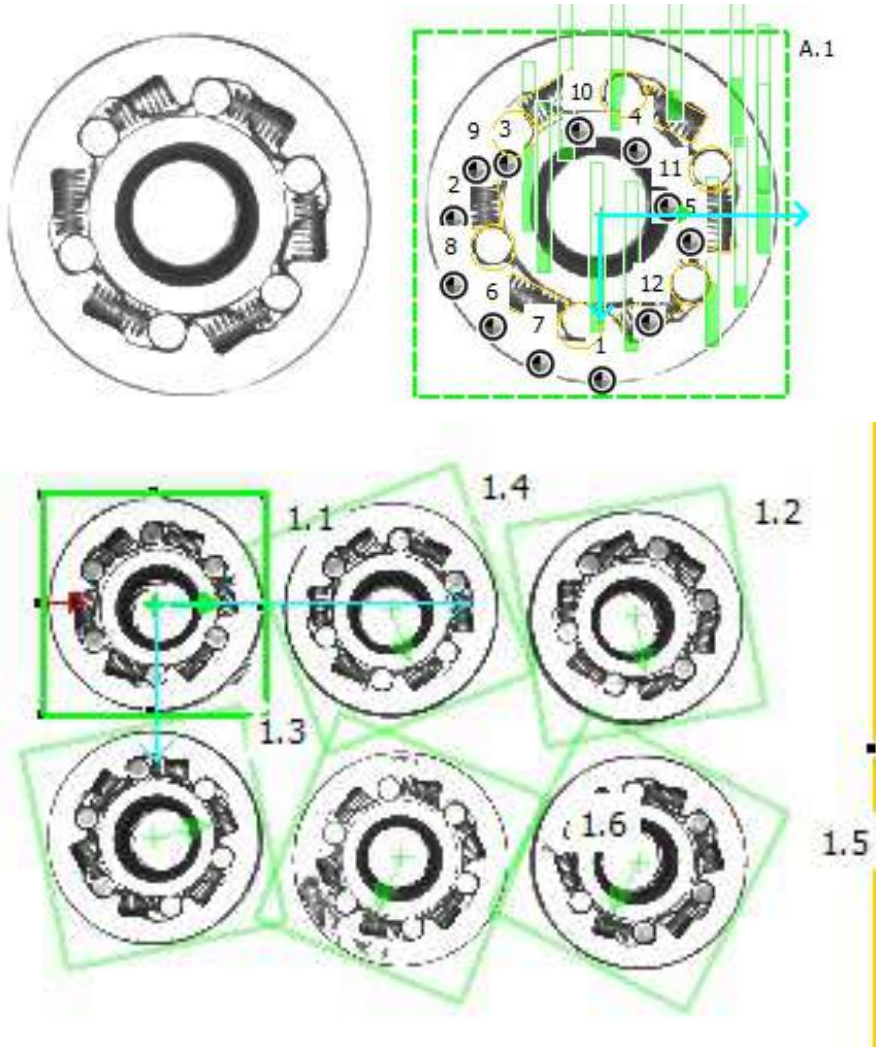
- Evaluating the accuracy of contact settings and their presence.

Assessment of Contact Bending, etc.:

- Analyzing and evaluating the condition of contacts, including bending and other parameters.

Additional Details: At this testing stage, we meticulously examine every aspect of the connectors, ensuring their reliability and compliance with project requirements. This approach guarantees high quality and efficiency of connections in our project.





Testing various types of parts in the project:

Testing Scope:

- Ensuring that all types of parts correspond to the specified configuration.

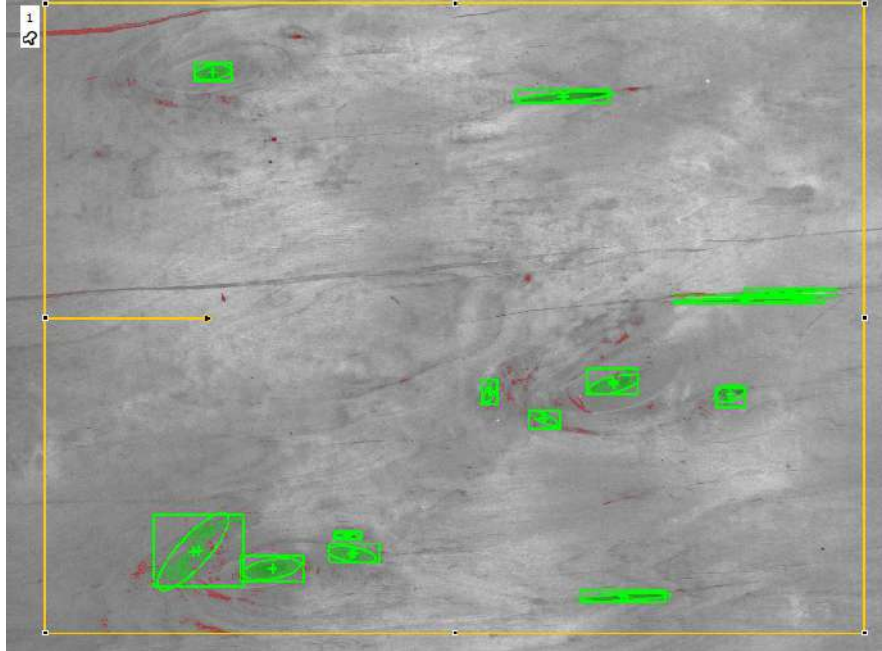
Testing Stages:

- Determining the presence of all springs and rollers, verifying their compliance with standards.

Size and Parameters:

- Verifying the sizes and parameters of each part to adhere to standards.

Additional Details: At this testing stage, we conduct a comprehensive review of various types of parts, ensuring they match the specified configuration and meet the standards regarding sizes and parameters. Our approach guarantees high quality and reliability for each part in our project.



Testing of Various Veneer Types in the Project:

Testing Scope:

- Evaluating different types of veneer for the presence of knots and other damages.

Defect Calculation:

- Computing various quantities and parameters of damages.

Veneer Sheets Classification:

- Determining the class of veneer sheets based on different quantities and parameters of damages.

Additional Details: In this testing phase, we meticulously examine different types of veneer for the presence of knots and other damages. We conduct calculations for various quantities and parameters of damages and classify the veneer sheets according to this data. Our approach ensures precise classification of veneer based on different quantities and parameters of damages in our project.

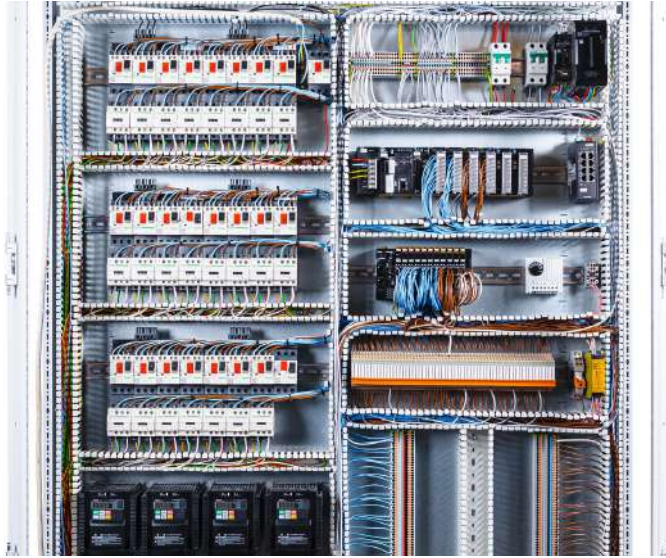


Quality control and tracking

Sensors

Control components

Automation systems



Complex solution for control boxes

Assembly of control boxes is carried out by specialists with the provision of a full range of work:

- Design of control panels and automation;
- Production of automation boards;
- Supply of equipment;
- Assembly of automation boxes;
- Construction works;
- Testing;
- Adjustment works;
- Warranty service of manufactured automation boards

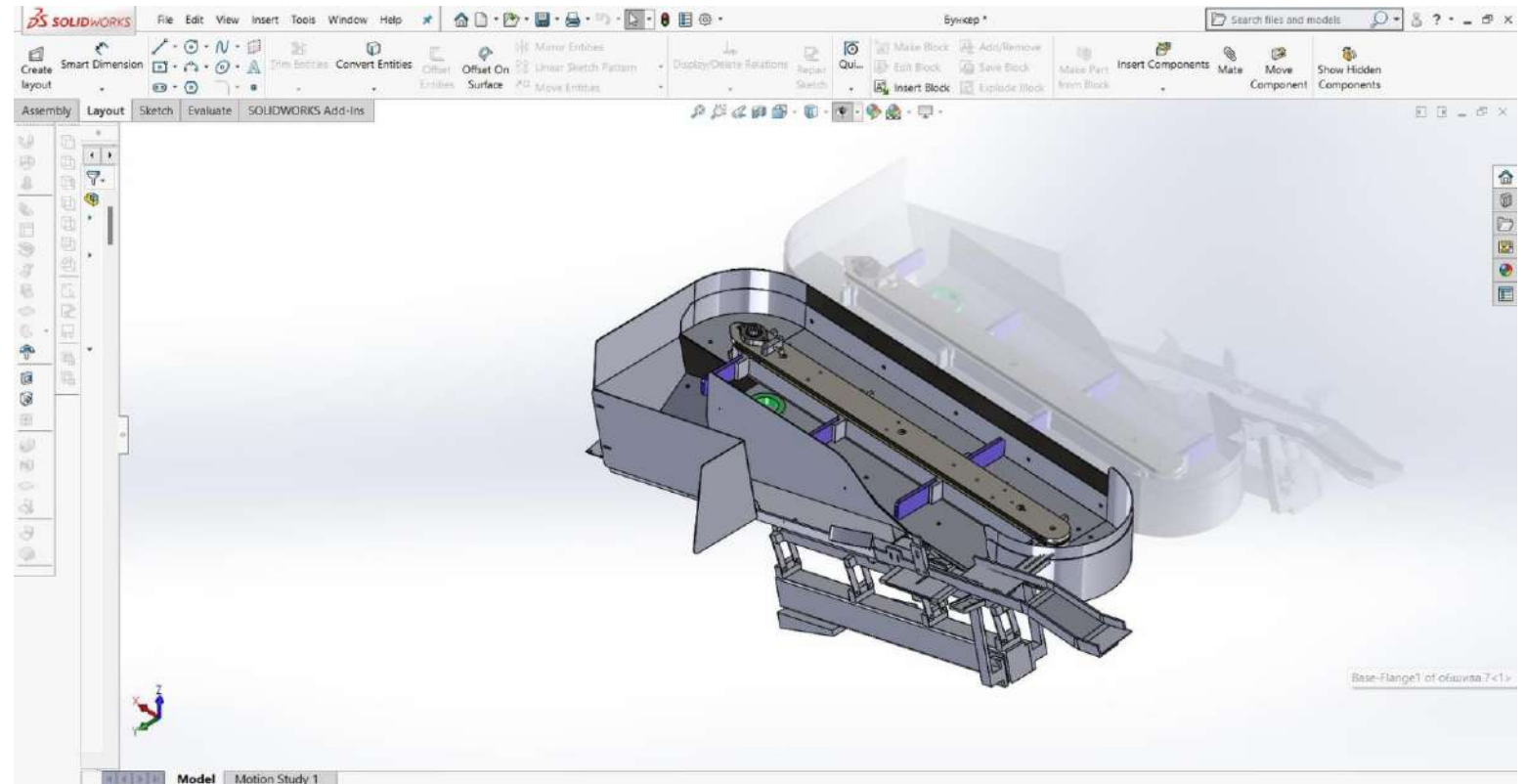
Outsourcing of Engineering services

Outsourcing of engineering services is a profitable solution for the Employer. High qualification of Ukrainian engineers has long been known in the world. And the cost of such services is much lower than in Europe.

Our company acts as a guarantor of high level service, provides legal and documentary support, control of tasks and calculations, as well as provides the necessary infrastructure for communication.

Scope of services

- Mechanical Engineering
- Controls
- Commissioning
(Eastern and Central Europe)



To run in line with Industry 4.0 trends, modern equipment must have modern Software.
Reliable and User friendly.

We know how the equipment work from the inside, therefore we perfectly understand both Customer needs, Equipment specific and Programmers.

We prefer to work with a customer as a single integrated team. Project Manager, Business Analyst, Architect working onsite with Customers team on BRD phase and during system rollout in order to make work from front-end and back-end developers efficient.

```
PS C:\windows\system32> Set-Location -Path "E:\"  
  
PS E:\> E:\install-robot-config-USB.ps1  
Looking for robot-config image image.tar in the same folder locally ...  
The image registry.gitlab.com/fs1-lab/fs1-open-source/hub/robot-config:latest already exists, renaming the old one with  
a256:3748ac0fa10573e6c7795ffff0e0b321ed29d4158f1f7204930a8eef385 to empty string.  
Loaded image: registry.gitlab.com/fs1-lab/fs1-open-source/hub/robot-config:latest  
Removing old version of robot-config  
robot-config  
Starting Docker container: robot-config  
49bdabec32a14b215ffdf73c652c9182f513f11b964c476964913c58c1aef53  
  
If you see no errors the robot-config container is now successfully started.  
Web interface is at: http://-host-:5567  
  
You can use 'docker logs -f robot-config' from a command prompt to view the  
containers log.  
  
Press any key to continue...
```



Nobody knows your business better than you.
That's why we'll never tell you what to do and what not.
But if you want to see your production even more
efficient, then our solutions can help you.
We will make it smarter, faster, more efficient.
Manufacturing processes will become more valuable,
more flexible, more reliable ...
Actually we will help you to gain a significant edge over
your competitors.



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