



Robotics and automation

Innovative competences in Apator Group

Our solutions

Experience in robotization and automation gained in the production plants of Apator Group over the years, inspired us to start a commercial activity in this field. We would like to share our specialist knowledge in order to successfully support other manufacturing entities that want to become modern and effective.

Our structure and extensive resources allow us to prepare a wide range of robotics and automation of production processes, taking into account the needs of the market and external customers. Dynamically developing industry and the growing competition in each industry stimulate us to:

- **increase the general efficiency**
- **lower the manufacturing costs**
- **improve a quality of the product**
- **ensure stability of processes**

The solutions provided by our engineers are based on the most modern components, used in the state of art robotics and automation systems.

Thanks to our experience, we are able to improve the following processes:

- robotized assembly
- palletizing and depalletizing (boxes, bags, glass and plastic bottles, food and beverages, detergents and others)
- automated loading and unloading of production machines
- leakage testing devices
- pick & place processes
- automated packing

Additionally we are able to design and manufacture dedicated machines for automatization of various technological processes:

- welding and soldering
- ultrasonic cutting and welding of plastics
- modern marking methods
- precision gluing and spraying systems
- vision quality control
- protective and decorative surfaces
- logistics and internal transport

Technical consultancy and business calculation support

The team of experienced engineers, managers and other professionals supports:

- evaluation of current processes' efficiency
- optimization of processes' cost and efficiency
- return of investment (ROI) calculations



We implement new solutions as well as modify and integrate the ones currently used by our customers. Our goal is to deliver solutions that are stable, compatible and modular with the possibility of further expansion.

It all starts with a visit to the customer's premises during which we discuss the details of a process to be automated. We also closely evaluate other processes that occur around the main subject of analysis. A broader look at what happens before, after and nearby the main subject in the production plant has a positive impact on our concept solution and lets us offer an optimal and the most effective system.

Prototyping and design

Our team, by utilizing the best tools for:

- designing,
- 3D modelling,
- prototyping,
- simulation,

is able to design the best technical solutions and conduct tests that will help make a business decision without incurring unnecessary expenses of changes and improvements which usually could not have been foreseen and avoided. We analyze various possible solutions with a client and select the most suitable for the investor. Our team focuses on an open model of cooperation with specialized staff of our customer in order to make every step of a project efficient businesswise.

We value the knowledge and experience of our clients, therefore during concept development and design, we invite representatives of the investor to participate in recurrent meetings during which we share the ideas and consult applied solutions and technologies. Such a procedure brings great benefits and improve the sense of investment security.



Manufacturing, commissioning, service

The team of highly qualified technicians and service engineers is experienced in implementation of even the most complex technological solutions. We work on daily basis with the components of the world's leading suppliers of mechanical parts, pneumatics, hydraulics and electronics. The quality of the applied components guarantee safe, effective and long-term operation without unnecessary breakdowns and unplanned stops of production.

The team:

commissions the implemented solution.

installs the technological line at the customer's site and integrates it with existing systems.

instructs the customer's staff in the operation of the new solution.

takes care of the maintenance and servicing of newly delivered technological line.



We are ready for the new challenges!

The data presented in the folder is current as of the date of its issue.
The manufacturer reserves the right to make changes and improvements to the products without prior notice.
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