AUTOMATION OF TYRE HANDLING

SAFE DRIVING BEGINS ON THE PRODUCTION LINE

SAFETY | INCREASED OUTPUT | RELIABILITY OF PROCESSES | EFFECTIVE USE OF RESOURCES | KNOW-HOW IN THE TYRE SECTOR
SAFETY
Tyres must be protected from damage during the production process. Finished products must guarantee safe driving.

LIMITED SPACE
You do not have more space to extend the production line. It is only possible to upgrade the transport system as part of the existing facility.

PROCESS FLUIDITY
Installation of a new conveyor line cannot interrupt tyre production. After deployment, manufacturing must proceed reliably and without downtime.

IMPROVEMENT OF EFFICIENCY
It is necessary to increase tyre production as part of the existing manufacturing process, at the same time reducing power consumption. The facility’s efficiency must improve.

Safety is a critical success factor in the tyre industry. We will help you achieve it.

How does Europa Systems help in maintaining compliance with safety requirements?

We design and install tyre handling systems that give priority to product and equipment safety:

- Ensuring absolutely failure-free equipment – 20 years of operation of our systems = 0 days of unplanned downtime when properly serviced
- 100% reliable installation and maintenance - 1,700 orders per year – 0 days of delay in deliveries,
- Use of the most energy-efficient solutions,
- Green tyres are handled with particular care, to avoid damage during production,
- Access to full information about the condition of tyres at every stage of the process,
- Every tyre must pass through all machines performing quality checks and final inspections.

Tyres never leave their assigned transport routes.


Continuous transport equipment and systems comply with all safety requirements and standards (conformance with Directives of the European Parliament).

Europa Systems assumes full responsibility for its systems (e.g. supplying complete documentation and CE declarations).

Europa Systems is the partner with whom your factory will safely manufacture reliable tyres.
The Europa Systems team of engineers are outstanding professionals with great creativity. Where others see limitations, we see opportunities. Thanks to our solutions, every square metre of your factory can be used efficiently for manufacturing.

We like limitations. They **trigger our creativity**.

Dedicated solutions, taking into account our customers’ needs and possibilities.

Slanted, horizontal and vertical transport of all types of tyres.

Multi-storey systems – storage, sorting and transport of tyres is handled on the upper level.

Our solutions **work**. We take **responsibility** for this.

- Smooth integration of Europa Systems’ transport systems with existing IT platforms, industrial robots, manufacturing machinery, other internal logistics systems.
- Deployment of comprehensive solutions or improvement of selected production stages. Full technical support and consultancy for overall process optimisation.

Actual plant output depends on many factors, but sometimes relatively small elements play an important role. For this reason, upgrading existing systems in key areas of the process can translate into surprisingly high productivity growth. To identify these areas, you need expert knowledge and technology support from an experienced partner.

Europa Systems’ answer to the need to increase production:

- Detailed audits of existing production lines.
- Identification of micro-downtimes and bottlenecks.
- Design of a dedicated solution.
- Installation of key components of the internal transport system, or complete, ready-to-go systems.
- Advanced automation and optimisation of processes in technical and IT terms.

**SOLUTION TO THE PROBLEM OF LIMITED SPACE**

AUTOMATION OF **TYRE TRANSPORT** FOR:

<table>
<thead>
<tr>
<th>TYRE BUILDING MACHINES</th>
<th>GREEN TYRES</th>
<th>TESTING &amp; PALLETTISING</th>
<th>WAREHOUSING &amp; SHIPPING</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAW MATERIALS TRANSPORT FOR ROLLING AND PACKAGING</td>
<td>POWERFUL, ROBUST CONVEYOR LINES FOR GREEN TYRES</td>
<td>AUTOMATED, SAFE TRANSPORT OF GREEN TYRES AND TRAYS</td>
<td>CONVEYOR LINES FOR SORTING AND BUFFERING</td>
</tr>
</tbody>
</table>

**SMOOTH PROCESSES**

We integrate tyre and raw-materials transport technology with manufacturing systems and industrial Gantry Robots. Our equipment is fault-free; we guarantee reliability of systems running 24/7/365. Our installation team guarantees quick installation by the agreed deadline.

**BOOSTING PRODUCTION**

Measurable **performance improvements** at your fingertips.

**RELIABLE PERFORMANCE**

24h/7/365

LOAD CAPACITY

50 kg/m

SPEED

60 m/min

MAX. CAPACITY

30,000 tyres/24h

Marcin Marszałek, Europa Systems, Director of Sales

Marcin Marszałek,
Europa Systems, Director of Sales

Automation of internal transport can bring tangible benefits in every area of tyre manufacturing: green tyre transport, curing, final inspection – when systems are appropriately selected and integrated.
THE TECHNOLOGY PARTNER FOR THE TYRE INDUSTRY

Europa Systems solutions meet the most rigorous requirements of the tyre industry – we have been helping our customers optimise tyre manufacturing processes for more than 20 years.

Krzysztof Marszałek
CEO and founder of Europa Systems

20 years
of working with leading tyre manufacturers

SCOPE OF SERVICES
- Manufacturing of state-of-the-art tyre transport and storage equipment.
- Comprehensive installations of turn-key systems.
- Automation and optimisation of internal logistics processes.
- Integration of our solutions with client systems.
- Serving as a technology partner for industrial automation integrators.

OUR KNOW-HOW AND MANUFACTURING CAPABILITIES

90 projects deployed in the tyre sector
15,000 sq m

our own production facility in the centre of Europe

170 engineers, technicians and specialists

SCAN THE CODE and watch a video showing a tyre transport system in action.
Comprehensive solutions for intralogistics

Europa Systems is a leading manufacturer of automated internal logistics systems.

We are a team of 170 engineers, technicians and highly qualified specialists. We have one of the most modern production plants in Europe.

We have over 20 years of experience gained through deployment of hundreds of projects for clients in 35 countries.

We solve problems by providing world-class solutions for the automation and optimisation of internal processes for transport and storage.