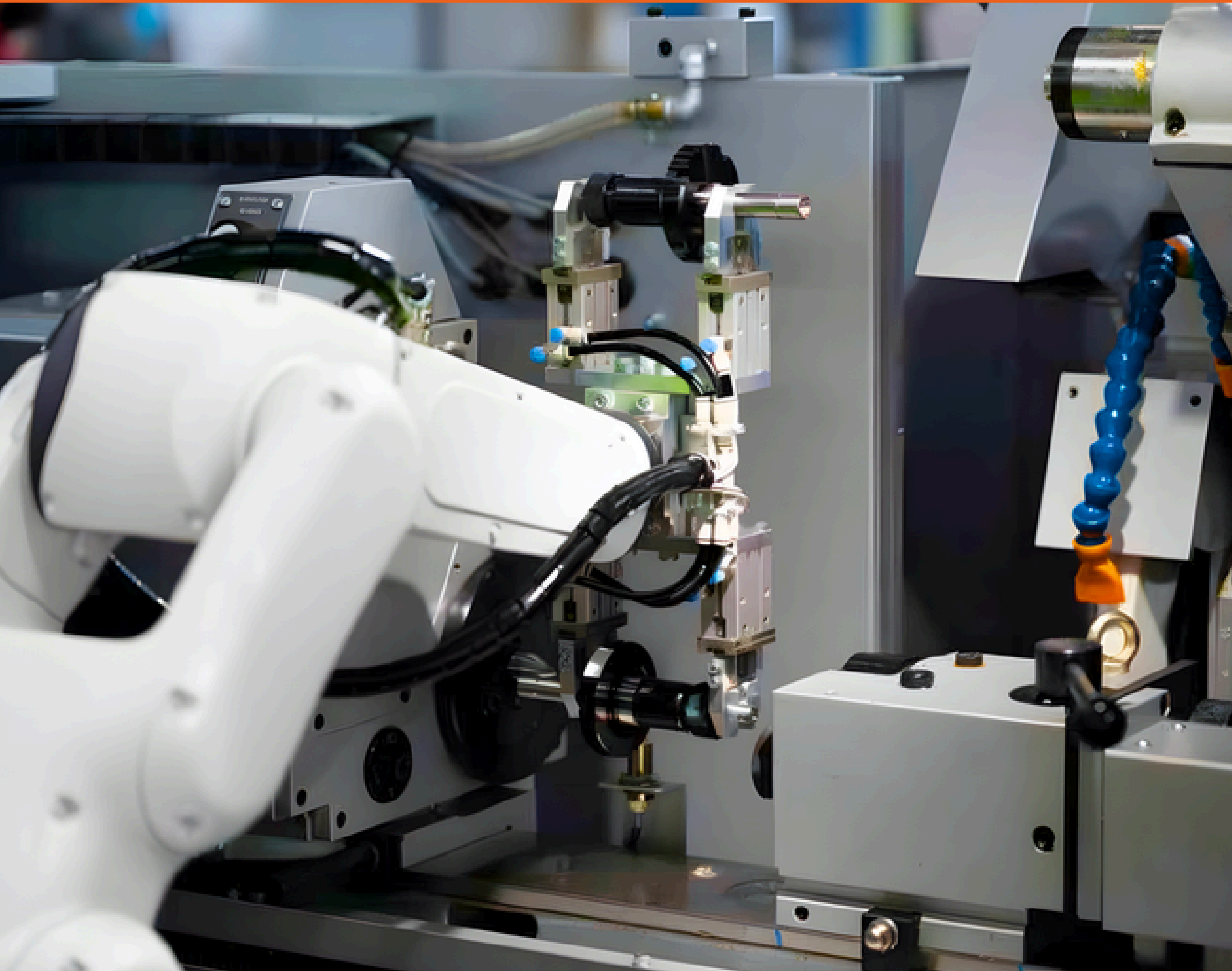


MECH SPACE

Creating Autonomous System



ABOUT US

We design, engineer, and deliver **Autonomous mechanical solutions** that transform the way industries manufacture, package, and move products.

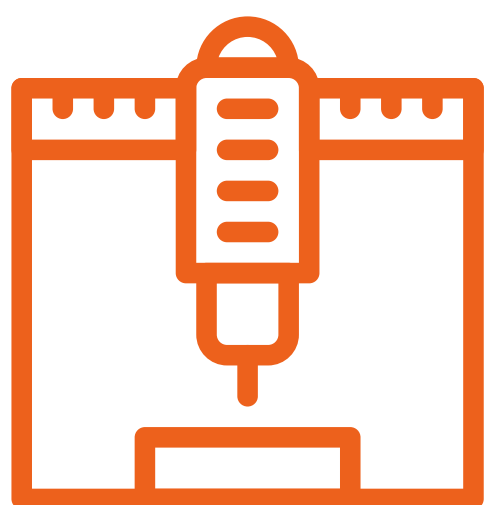
With a **proven track record** in gantry robotics, conveyor automation, customized filling & packaging, and special purpose machines (SPM), we help businesses **unlock higher efficiency, consistency, and safety**.

INDUSTRY CHALLENGES

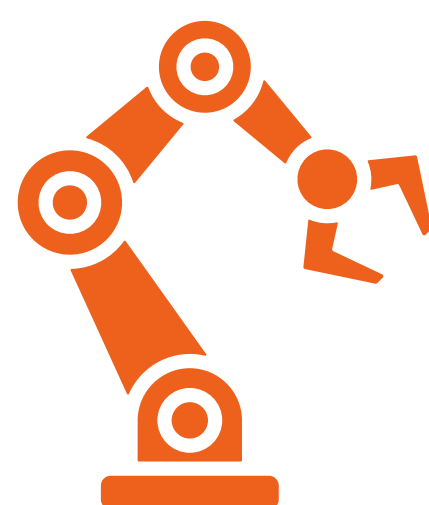
- Rising **labor costs & skill shortages**
- Need for **faster throughput & zero downtime**
- Increasing demand for **customization in production**
- **Safety & compliance** requirements
- **Space optimization** in warehouses and factories

Our Solutions are built to solve these challenges **Scalable, Intelligent, & Tailored for your Industry**.

SOLUTIONS WE PROVIDE



Gantry Automation



Robotic Solution



Conveyor Automation



Spiral Freezer &
Food Processing Line



Filling, Weighing,
Packaging Solution



Special Purpose Machine

GANTRY AUTOMATION

Our Customized Gantry robots provide efficient **material handling**, pick & place, palletizing, and automated assembly with **Speed, Precision and Reliability**

APPLICATIONS

- **Manufacturing:** CNC Cutting & Welding Solution
- **FMCG:** Automated carton handling
- **Automobile:** Component assembly & transfer,
- **Logistics:** Storage & retrieval

KEY BENEFITS

- **Modular**, pre-engineered systems
- **Compact** footprint
- **High load capacity**
- **Integration-ready** with vision & sensors

2 AXIS GANTRY SYSTEM

- **Load:** Upto 100 Kg standard
- **Envelope:** Customizable
- **Drive:** Servo motor
- **Speed:** 4.5 m/s
- **Acceleration:** 5 m/s²
- **MOC:** IS2062(m.s), Aluminium



3 AXIS GANTRY SYSTEM

- **Load:** Upto 15 Kg standard
- **Envelope:** Customizable
- **Drive:** Servo motor
- **Speed:** 4.5 m/s
- **Acceleration:** 5 m/s²
- **MOC:** IS2062(m.s), Aluminium

GANTRY AUTOMATION

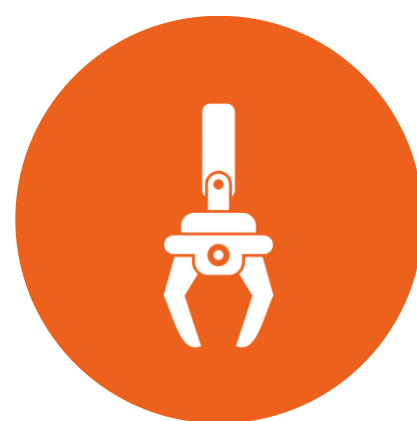


KEY FEATURES

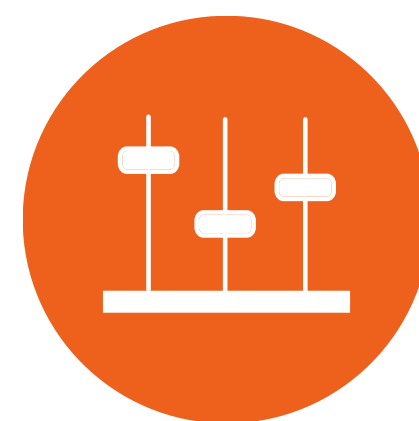
CNC Indexing's Gantry Loading Systems can **boost profitability** by automating the loading and unloading of **CNC lathes**. These systems are compatible with any CNC lathe and controller and come in various sizes with either a **single or twin arm gantry**.



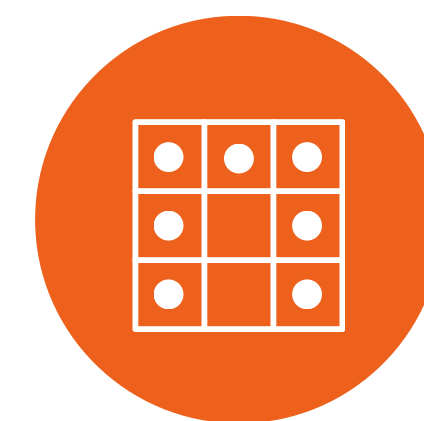
Flipping device



Pneumatic gripper



Rotary stackers



Matrix input table

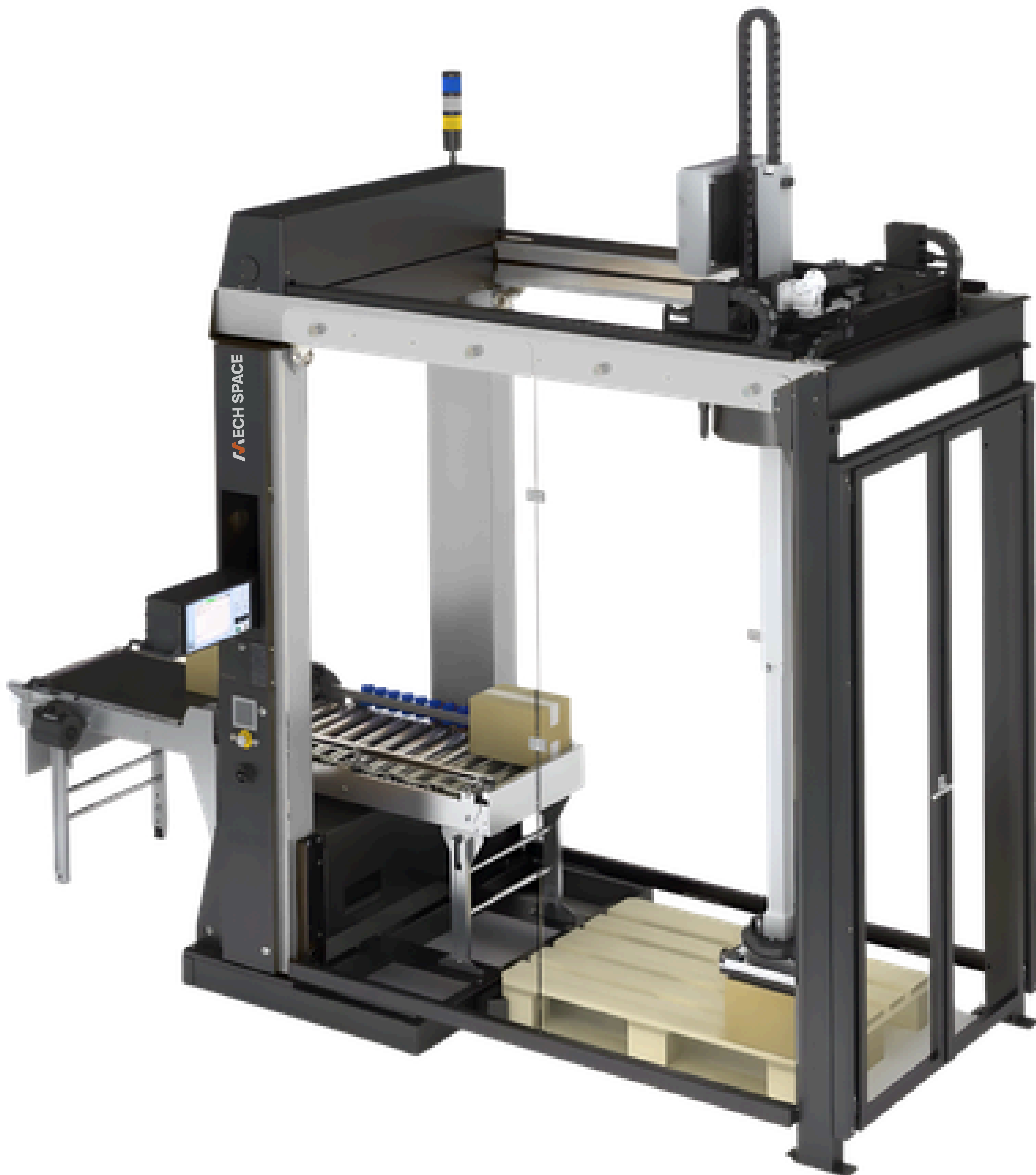


PALLETISING GANTRY ROBOT

Robot-In-A-Box solution is a complete "plug and play" solution for case palletising. This unit is equipped with universal vacuum gripper head and universal pallet positioning device and will handle practically any case or pallet you want to operate.

KEY BENEFITS

- Increased Productivity
- Versatile Operation
- Plug and Play Design
- Universal Gripper
- Universal Pallet Positioning



ROBOTIC SOLUTION

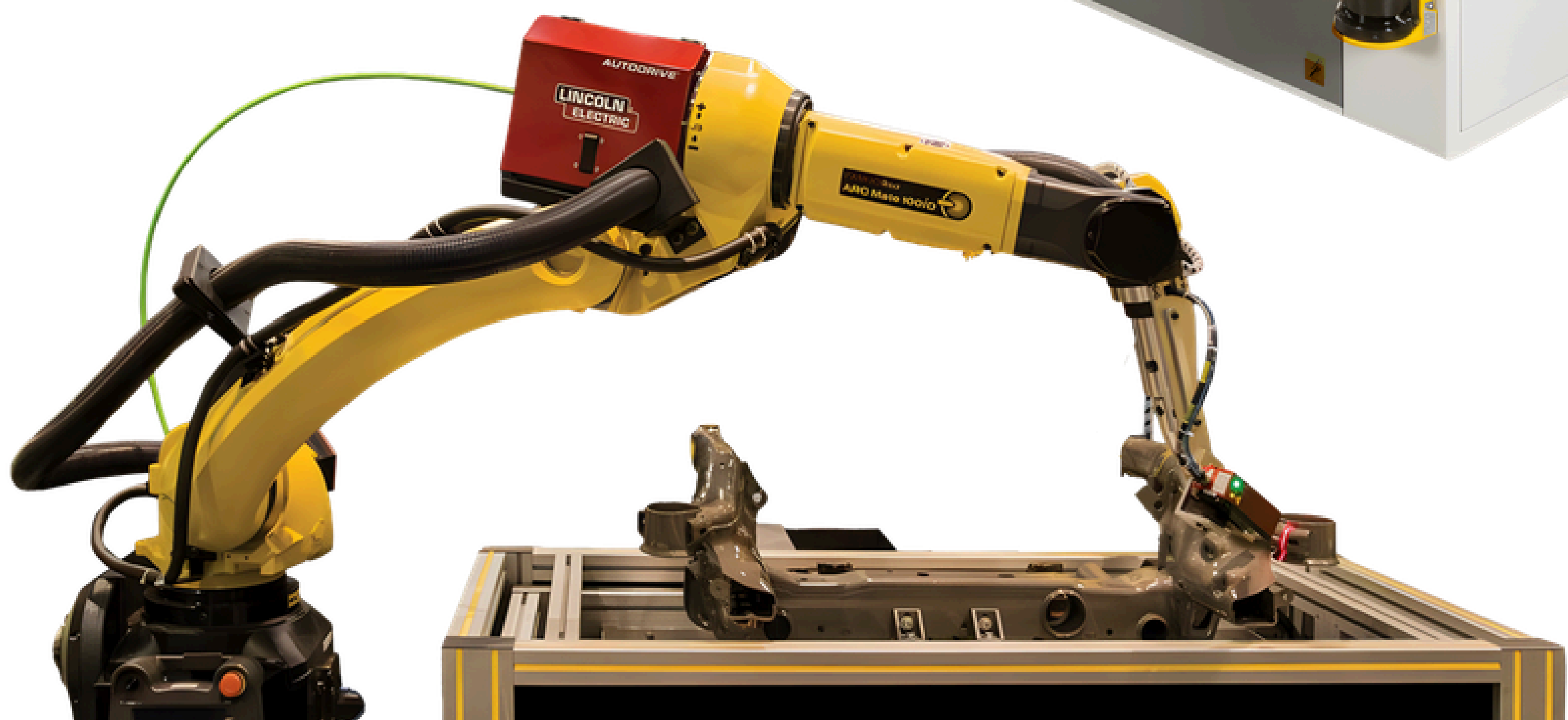
Robotic solutions are used for automating a vast range of tasks, from physical industrial applications like welding, assembly, pick-and-place, and material handling in manufacturing. Robotic manufacturing refers to automated systems designed to perform tasks within the production processes of industrial facilities. Automation lies at the core of robotic systems in manufacturing. By leveraging industrial robots equipped with sensor technology or artificial intelligence, manufacturers can streamline their production processes, enhance productivity, and improve overall quality.

KEY BENEFITS

- Increased productivity
- Faster and reliable lead times
- Higher production capacity
- Lights-out manufacturing
- Flexibility and scalability

APPLICATION

- Material handling
- Palletizing
- Welding
- Assembly line

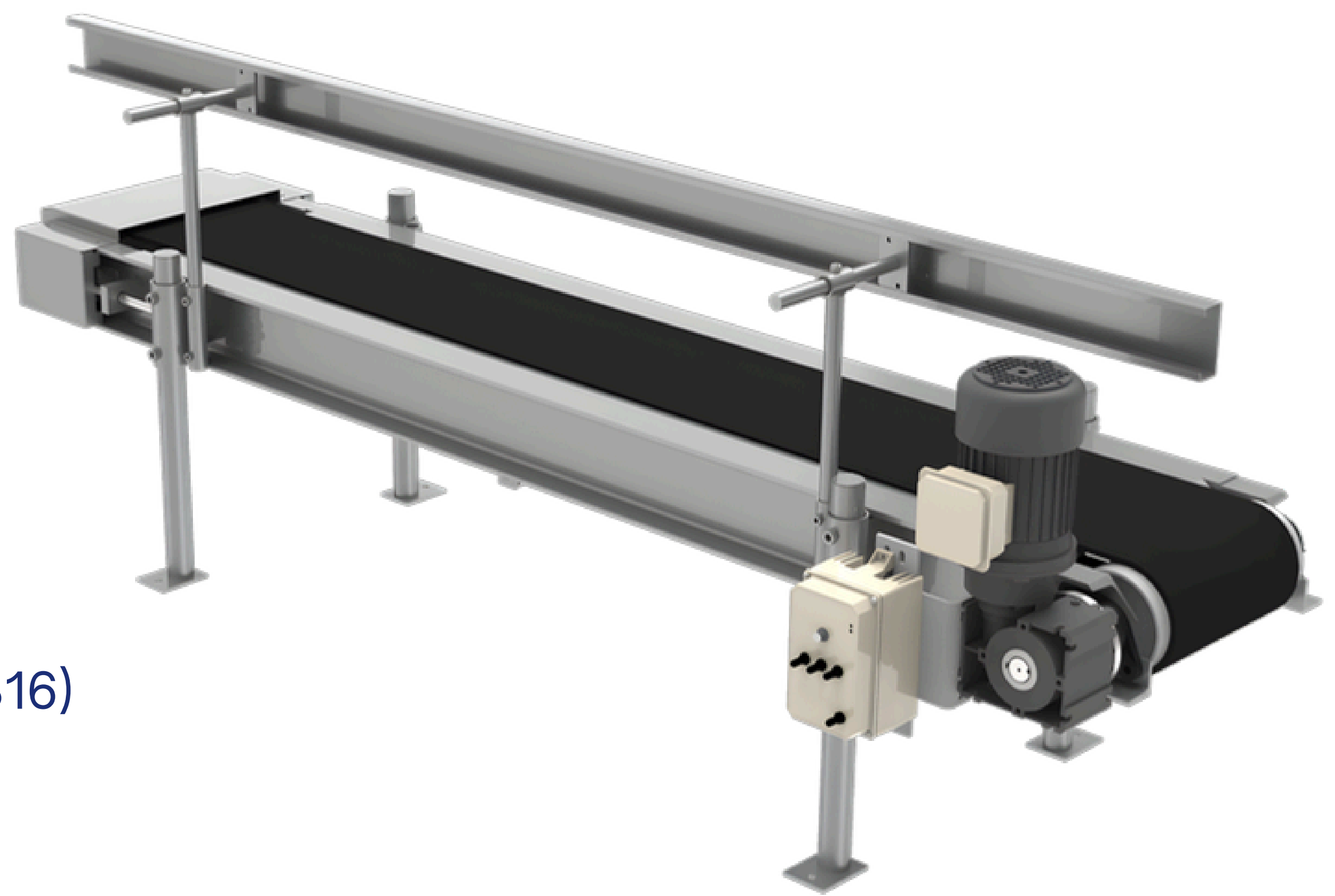


CONVEYOR AUTOMATION

We design and implement conveyor systems that keep your production and logistics moving seamlessly.

FLAT BELT CONVEYOR

- **Load:** Up to 100 Kg standard
- **Length / Width:** Customizable
- **Drive:** Servo, Stepper, Induction
- **Speed:** Up to 30 m/min
- **MOC:** IS2062(m.s), Aluminium, S.S(304, 316)



CURVED CONVEYOR

- **Load:** Up to 100 Kg standard
- **Dimension:** Customizable
- **Drive:** Induction motor
- **Speed:** Up to 20 m/min
- **MOC:** IS2062(m.s), Aluminium, S.S(304, 316)

STACKER CONVEYOR

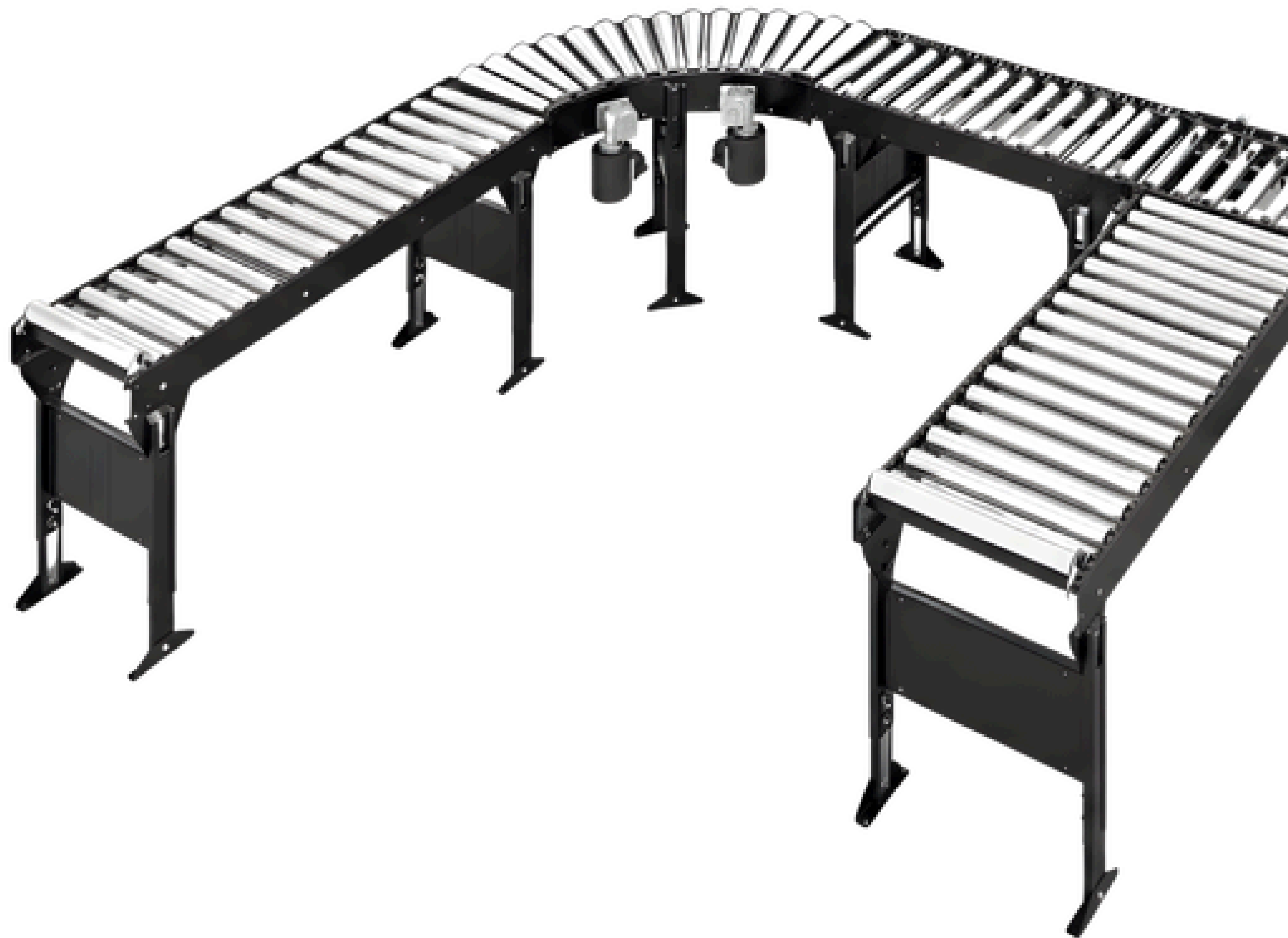
- **Load:** Up to 200 Kg standard
- **Length / Width:** Customizable
- **Drive:** Induction motor
- **Speed:** Customizable
- **MOC:** IS2062(m.s)



CONVEYOR AUTOMATION

POWERED ROLLER

- **Load:** Up to 100 Kg standard
- **Dimension:** Customizable
- **Drive:** Induction motor
- **Speed:** Up to 20 m/min
- **MOC:** IS2062(m.s), Aluminium, S.S(304, 316)



INCLINE CONVEYOR

- **Load:** Up to 70 Kg standard
- **Dimension:** Customizable
- **Drive:** Induction motor
- **Type:** Clited, Rough top
- **Speed:** Up to 15 m/min
- **MOC:** IS2062(m.s), Aluminium, S.S(304, 316)

SCREW CONVEYOR

- **Load:** As per standard model
- **Dimension:** Customizable
- **Drive:** Induction motor
- **Speed:** As per standard model
- **MOC:** IS2062(m.s), S.S(304, 316)



CONVEYOR AUTOMATION

SPIRAL CONVEYOR

- Load: Upto 100 Kg standard
- Envelope: Customizable
- Drive: Servo motor
- Speed: 4.5 m/s
- Acceleration: 5 m/s²
- MOC: IS2062(m.s), Aluminium



Specification	
Applicable Industries	Manufacturing Plant, Food & Beverage Factory, Food Shop, Food Beverage
Material	M.S, Stainless steel
Material Feature	Heat Resistant
Structure	Chain Conveyor
Voltage	AC 220V*50HZ*3Ph & AC 380V*50HZ*3Ph or customized
Power	0.25 -5. 5KW
Dimension(L*W*H)	Customized
Warranty	1 Year
Core Components	Motor, Other, Bearing, Gear, Pump, Gearbox, Engine, PLC
Side Guarding	Coated in specified RAL colour, Stainless steel
Chain Width	50 mm, 75mm, 100mm, 150mm
Conveyor Speed	Max 45 m/min (customized)
Frame Material	S.S304, Carbon Steel, Aluminium
Motor brand	SEW or Made in India(CG,Bharat beejali)
Application	Handle material from top to bottom, Bottom to top for the its of Bags handling, Container, Cartoons, crates, tire, tray, bottles, can, Jar, Cup,pouch



CUSTOMIZED SPECIAL PURPOSE MACHINES (SPM)

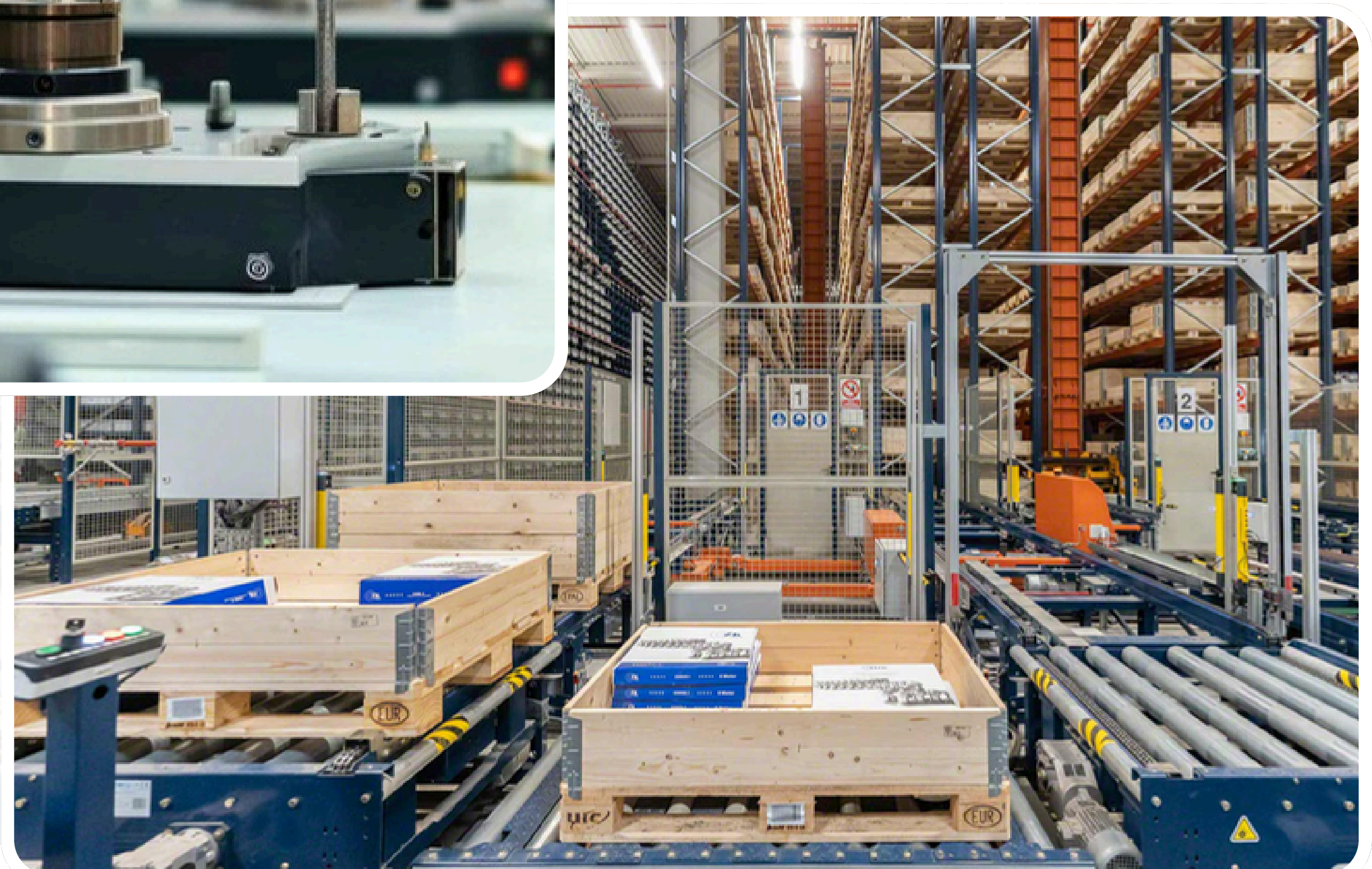
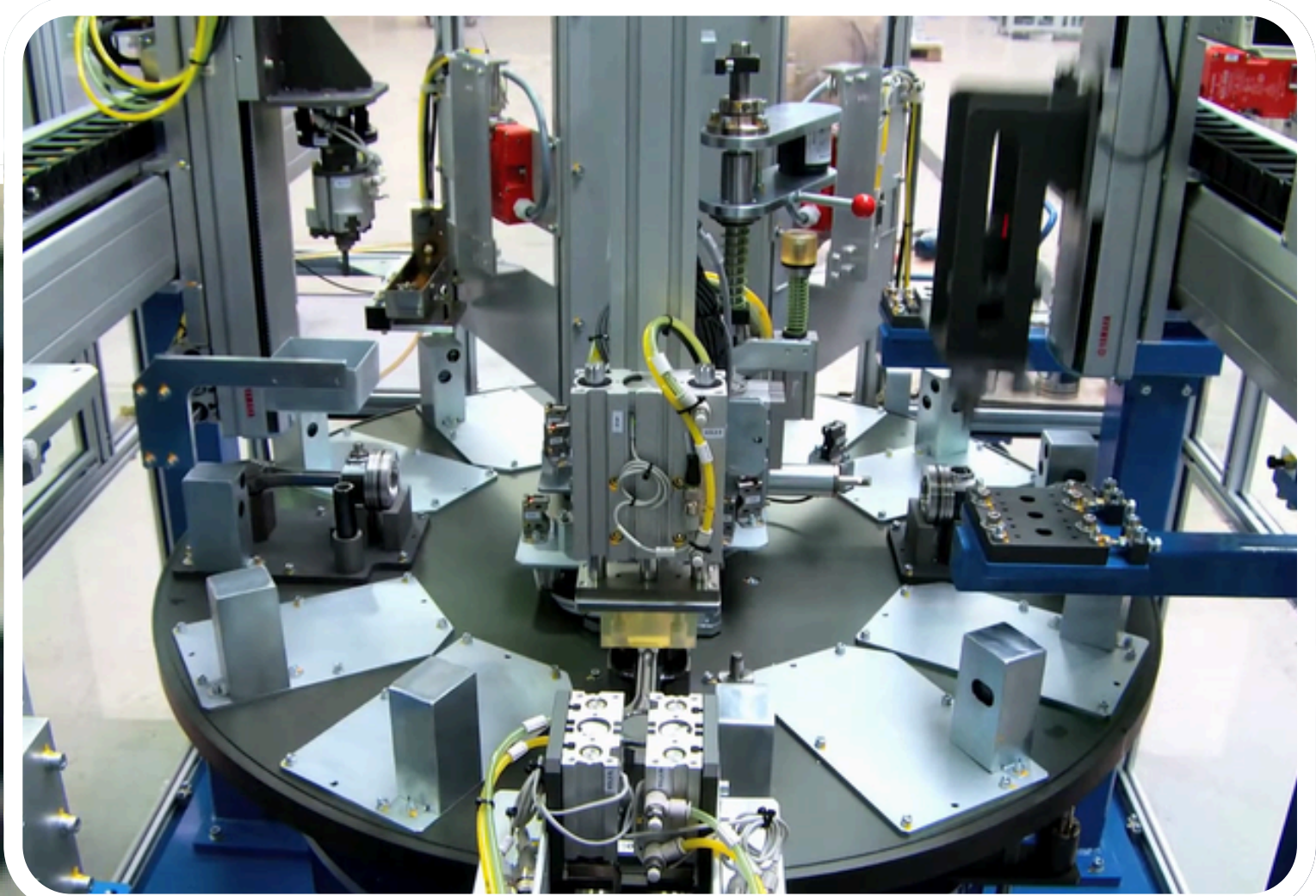
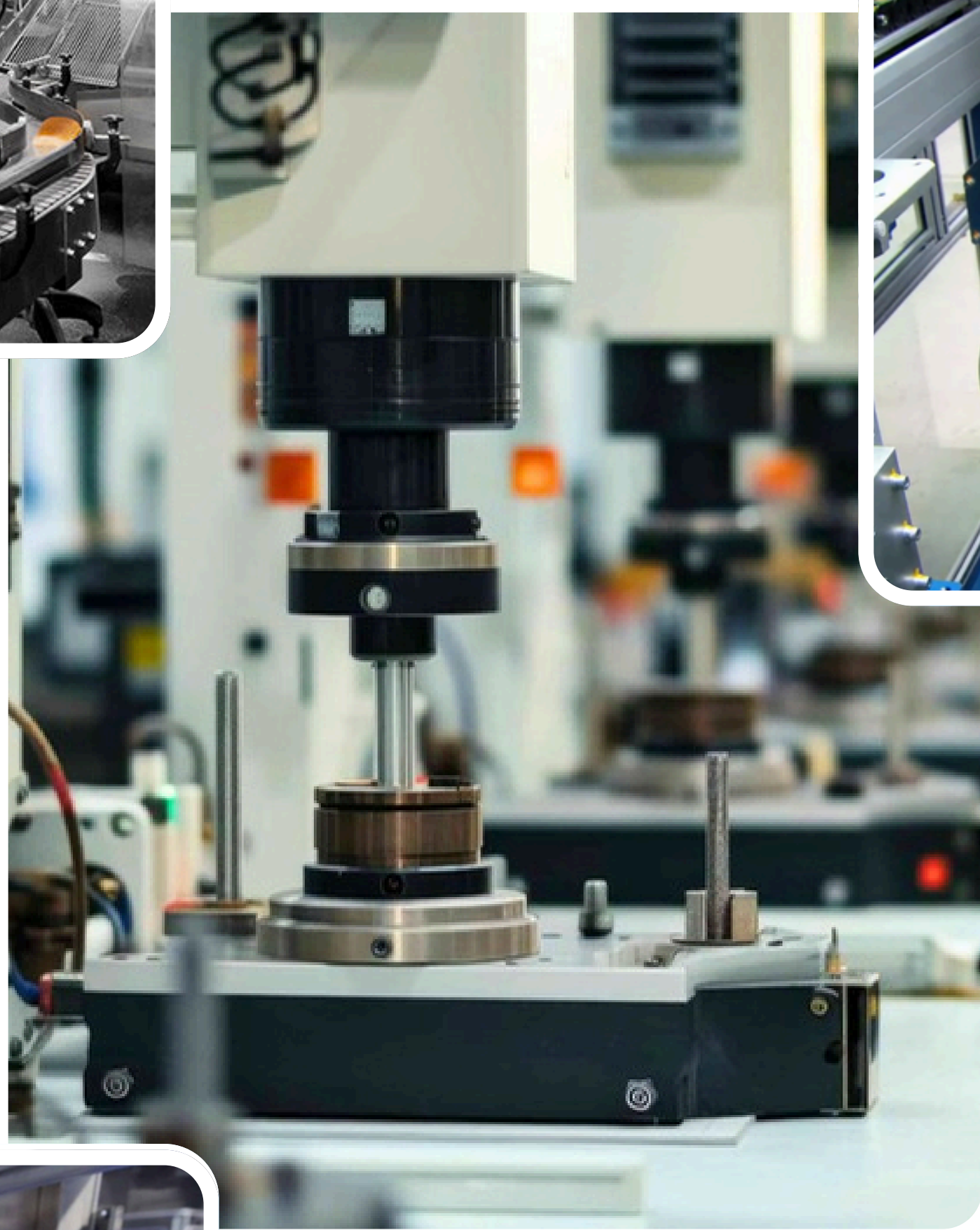
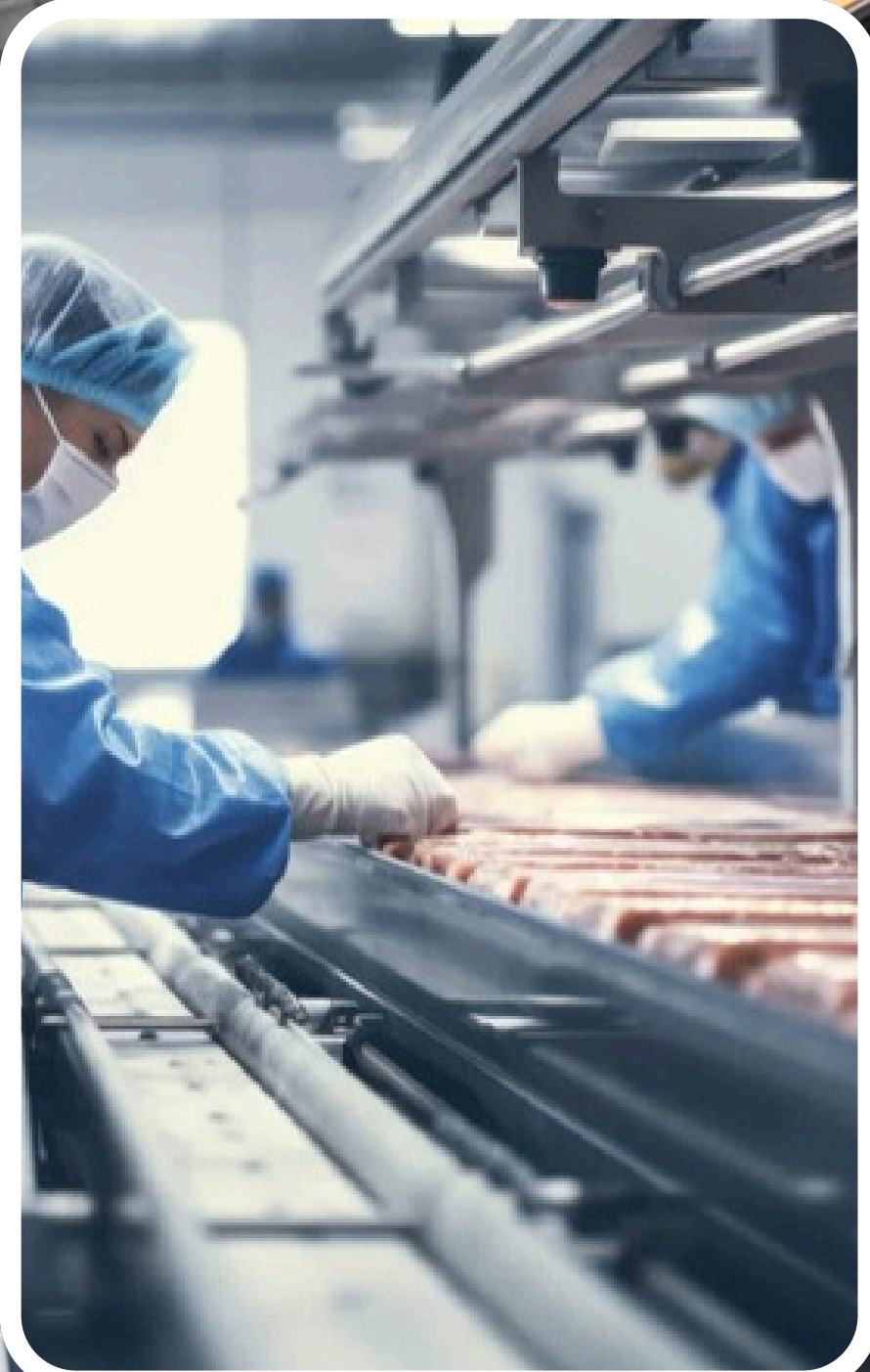
When Standard Isn't Enough. Our SPMs are built to meet unique production challenges where off-the-shelf machines don't fit.

APPLICATIONS

- Automobile: Custom assembly machines
- Machine Manufacturing: Precision machining SPMs
- FMCG: Inspection or testing units

KEY BENEFITS

- 100% customized engineering
- Boosts throughput
- Seamless integration
- Built for durability & safety

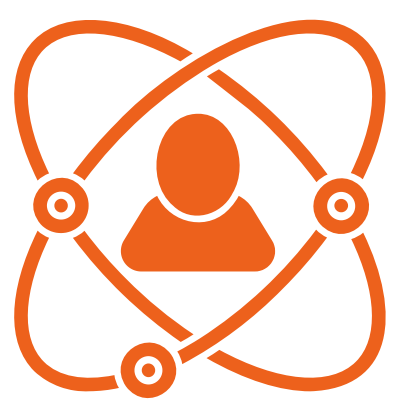


WHY CHOOSE US

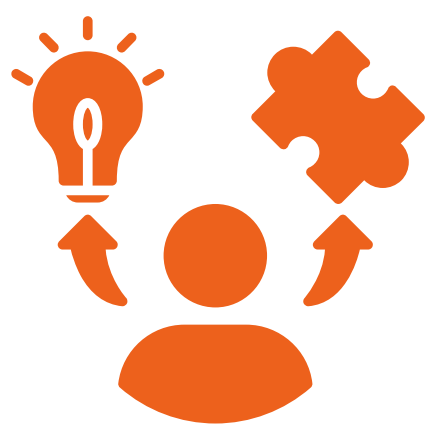
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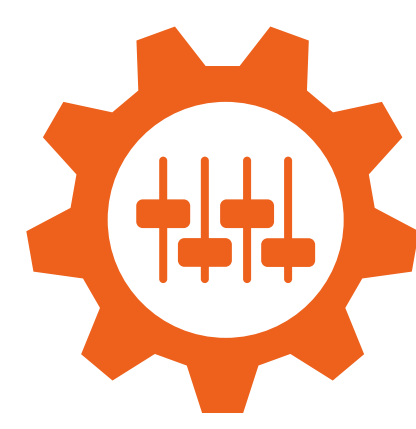
COMPETITIVE ADVANTAGE



Cross-Industry
Expertise



End-to-End
Execution



Customization
First



After-Sales
Support





CONTACT US

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