

# Robotics & SPM Solution

Empowering Manufacturing & Packaging Industry

Profile

Turning ideas Into Reality



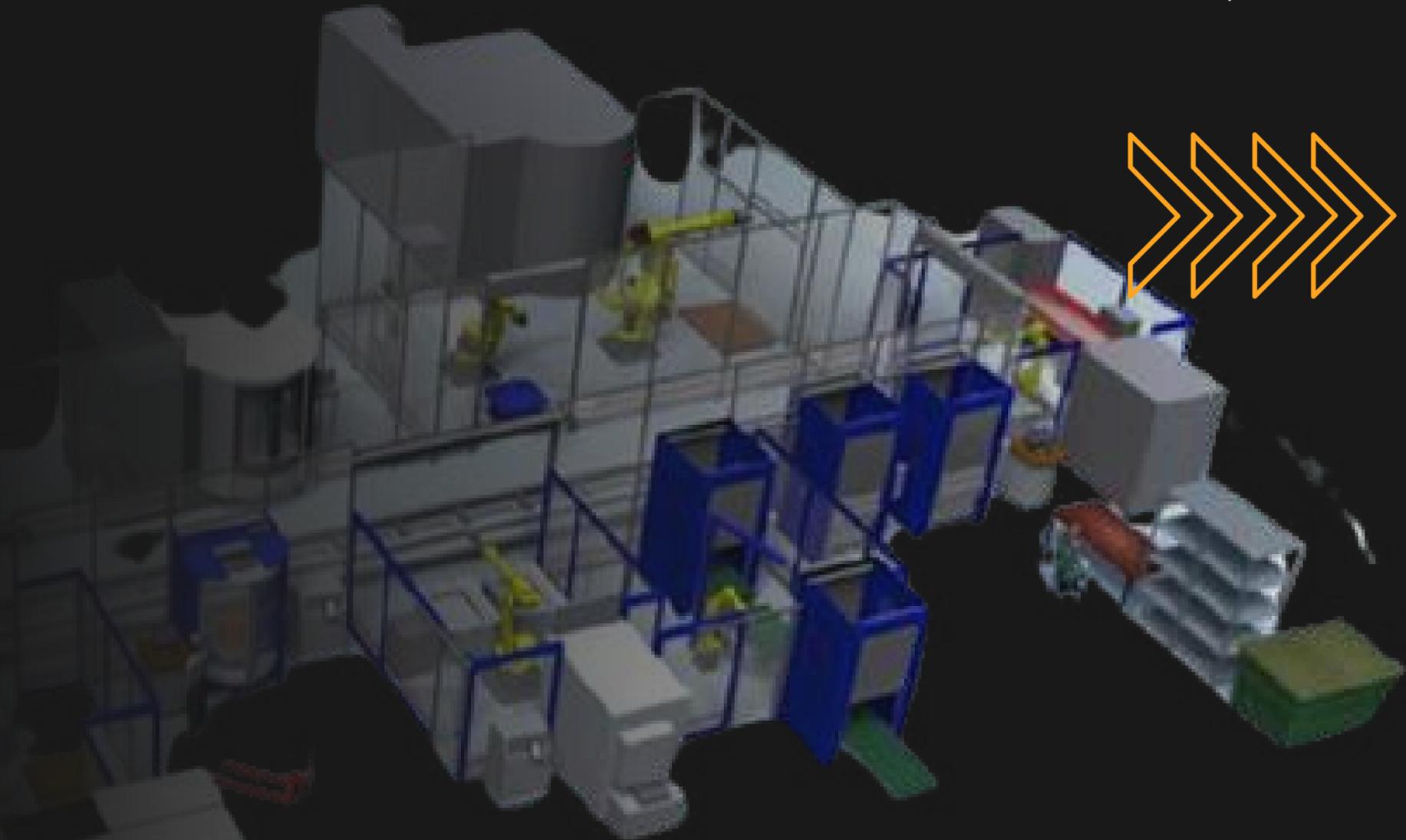
Presented by: Deepak Patel



# A Legacy in Robotics & SPM

We are Robotics & Engineering company focused on delivering high-quality Robotic Material handling & Special Purpose machine Solution to create systems that work smarter, faster, and more efficiently.

- Experienced and trusted Roboitic Partner
- Committed to delivering reliable, scalable, and future-ready solutions
- Operating globally with local focus.
- Innovation drives safe efficiency.



# Vision for the Future



We aim to lead the Packaging Industry across the India by empowering manufacturers with intelligent automation, superior quality and unmatched customer commitment.



## Vision

To be the India's benchmark Company in Robotics & Packaging Solution by Delivering Reliable, Innovate and Scalable Solution that creates lasting value & trust for our customers



## Mission

To enable warehouses and logistics operations in India to collaborate with experienced partners



## Commitment

Delivering Scalable, ROI -Driven & Reliable Solution with long term performance support



## Approach

Driving innovation in every aspect of Packaging operations.



# Our Key Solution



Palletizer



Case Erector



Case Packing



Conveyor Solution



End of Packaging Line



Gantry Solution



Robotic Solution



2D & 3D Vision Inspection



Servo Press Machine & SPM



Automation & IIOT Solution



# We serve Key Industry



Automotive



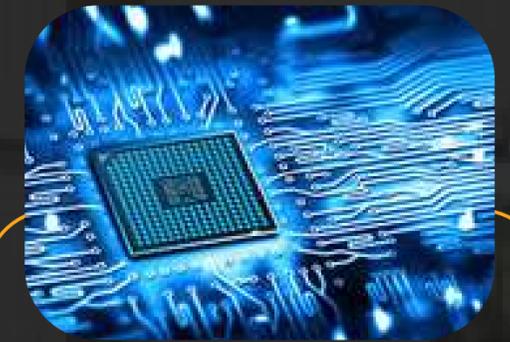
Electrical



Food & Consumer



Dairy



Semiconductor



Pharma & Medical



Home appliances



Glass



Solar



Rubber & Plastic



# Our Achievements

Our achievements reflect our capability to design, deliver and support high performace Robotic machine solution in Packaging & Automotive industry that consistently meet demanding production, quality amd reliability requirements

Delivered 40+ Special Purpose Machine Solution

Delivered 10+ Robotic Packaging Solutions in Dairy & FMCG

300+ Customers Served across Industries

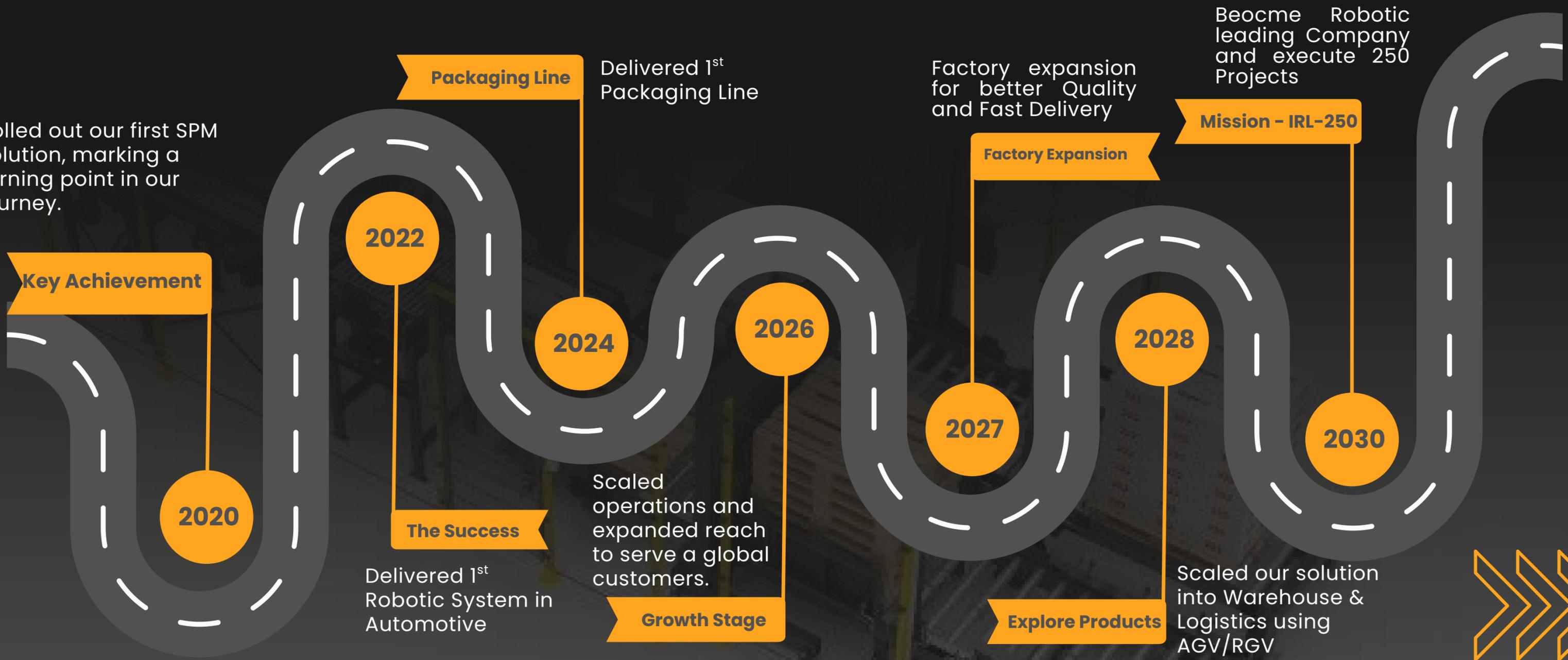
High repeat order ratio from existing customers

Strong Customer base in Packaging & Automotive Industry

# Our Milestone & Roadmap

Started journey with 2 individuals is today a leading engineering company with a team strength of 50+ professionals. Through challenges and first milestones, learning lessons and expansion, tireless spirit and passion for putting India on the map of packaging technology, we've come a long way in our journey.

Rolled out our first SPM solution, marking a turning point in our journey.





# Trusted Collaborations

Strong partnerships with industries to drive sustainable growth, reflecting trust and long-term value in every project.





# New Factory Expansion

Supporting growing demand for Robotics,  
Packaging Lines & SPM solutions

Commitment to quality, innovation, and  
customer satisfaction

Strengthening manufacturing and delivery  
capacity

Building a future-ready smart manufacturing  
facility





# Our Key Customer





# Palletizing Solution

## Key Features :

- High speed, flexible and reliable end of line Palletizing
- Accurate, and consistent stacking Suitable for multi-SKU and flexible pallet pattern
- Reduces manpower and workplace injuries
- Automatic pallet dispensing & full pallet discharge

## Robot Palletizing



Case palletizing



Bag Palletizing



Bucket Palletizing

## Gantry Palletizing



Box palletizing



Bag Palletizing



Bucket Palletizing



# Packaging Solution

## Key Features :

- High-speed industrial robot for pick & place packing
- Handles bottles, pouches, boxes, and containers
- Multiple packing patterns and case sizes supported
- Software-based recipe changeover for quick SKU switching



## High Speed Packer

- Product - Small Dairy & Food Products
- Payload - Up to 6 Kg
- Container Type - Cases, Trays, Totes
- Robot Type - Delta Robot



## Flexible Robotic Packer

- Product - Bottle, Jug, Cane, Heavy Goods
- Payload - Up to 100 Kg
- Container Type - Cases, Drum, Crates
- Robot Type - 6 Axis Robot



## Efficient Packer

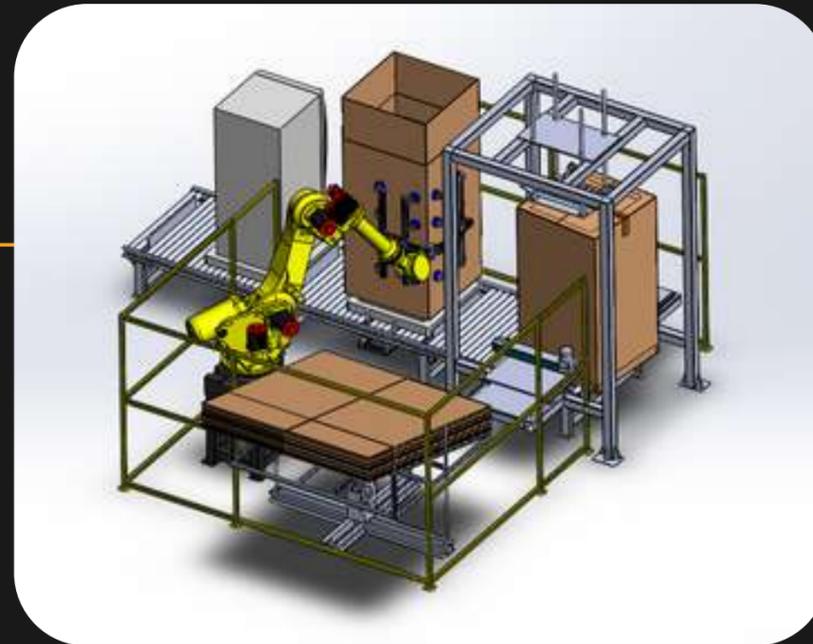
- Product - Pouch, Cup, Small Products
- Payload - Up to 100 Kg
- Container Type - Cases, Trays, Totes
- Robot Type - Scara & Gantry Robot



# Case Erector Solution

## Key Features :

- High-speed and precise carton forming operation
- Supports multiple carton sizes and formats
- Quick changeover through software recipes
- Automatic blank magazine feeding system
- Compact and flexible layout design



## Robotic Case Erector

- Carton Size :  $240 \leq L \leq 510$ ,  
 $160 \leq W \leq 400\text{mm}$  ( Customized )
- Apply Type : W48 -72mm
- Sealing : Bottom



## High Speed Case Erector

- Carton Size :  $280 \leq L \leq 480$   
 $160 \leq W \leq 350\text{mm}$   $410 \leq L+W \leq 910$   
 $300 \leq H+W/2 \leq 620\text{mm}$
- Apply Type : W48 -72mm
- Sealing : Bottom



# Pallet De-Stacker Solution

Pallet or Crate Stacker & De-stacker solution for Automatic stacking and de-stacking of empty pallets.

## Key Features & Benefits :

- Compact and modular design
- Reduces manual handling and operator fatigue
- Increases line efficiency and uptime
- High reliability with low maintenance
- Compatible with conveyors, robots, and AGVs



## Pallet Stacker & De-Stacker

- Pallet Type : Wood, Plastic, Aluminum
- Pallet Size : 1200 x 1200mm, 1200 x 1000mm or custom
- Storage Capacity : 12-15 Pallets
- Lifting Type : Pneumatic Driven



## Crate Stacker & De-Stacker

- Pallet Type : Plastic
- Pallet Size : 500\*250mm, 600\*380mm, Customized
- Storage Capacity : 15-20 Crates
- Lifting Type : Pneumatic Driven



# End of Packaging Solution

Comprehensive Packaging Solution—Case Erector, Case Packer, Palletizer, Pallet Dispenser, Stretch Wrapper, Tapping & Sealing Machine, Conveyor Solution—delivered with Speed, Flexibility and reliability.

Packaging

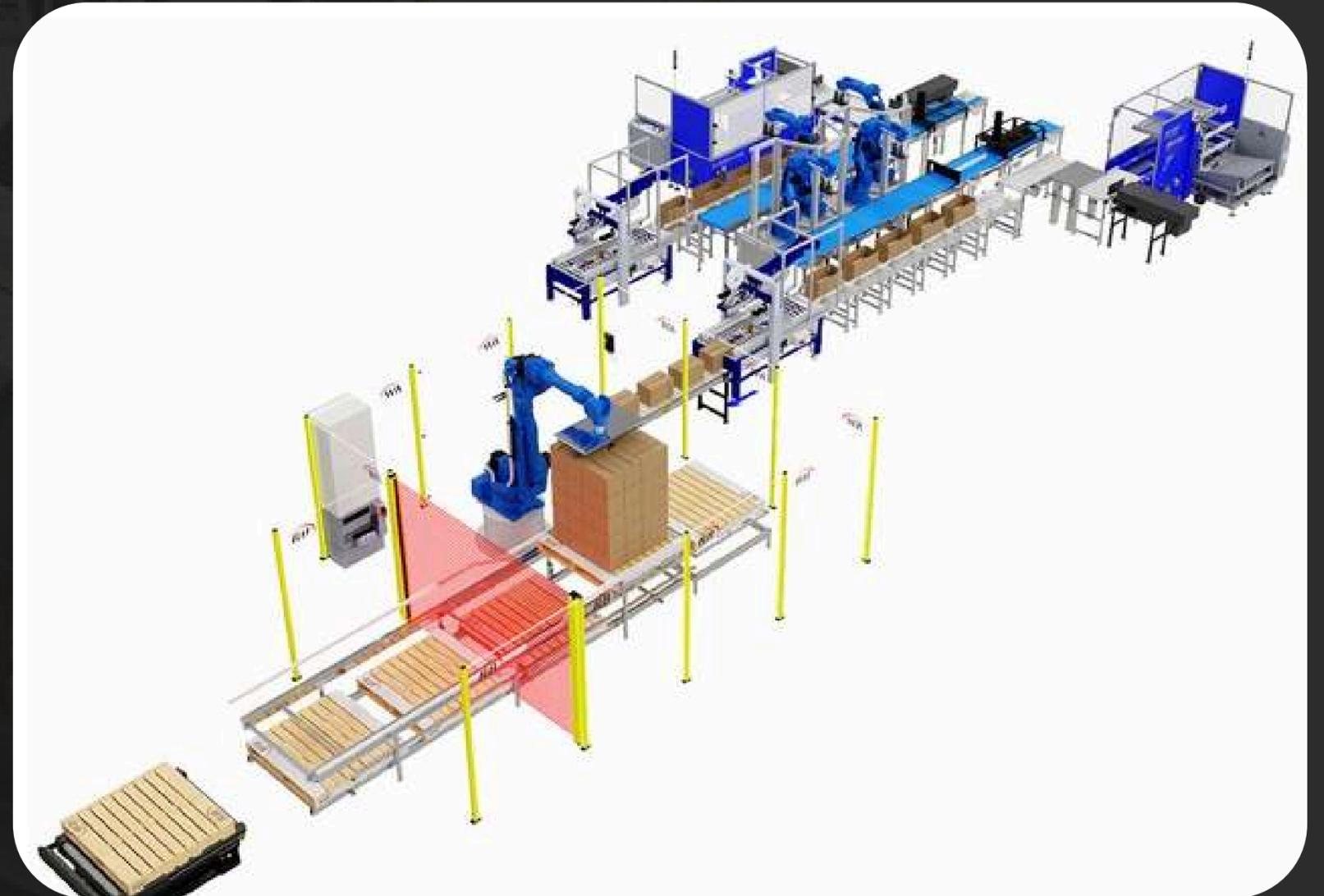
Palletizing

Case Erection

Pallet Dispenser

Stretch Wrapping

Taping & Sealing



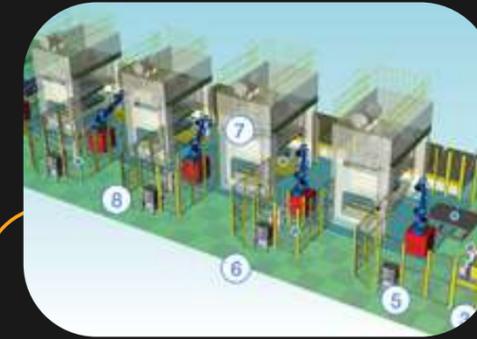


# Robot & Cobot Solution

Robot & Cobot Solution—Pick & Place, Press Transfer, Machine Tending, Welding & Cutting, Painting & Spraying, 3D Bin Picking—delivered with High Precision & Repeatability, Scalable for Light & heavy Payload, High Productivity & Low Downtime



Pick & Place



Press Transfer



Machine Tending



Welding & Cutting



Painting & Spraying



3D Bin Picking



# Gantry Robot Solution

Our gantry systems are designed to meet these demands, offering a robust and reliable solution for lifting, moving, and positioning heavy or oversized materials with Optimized Cost & High Precision & Accuracy, User friendly interface & Real Time Monitoring and Easy integration with Robots, vision and PLC



Manufacturing



Packaging



Automotive



Semiconductor



# Conveyor Solution

Robust, Modular conveyor solutions engineered for reliable, flexible and intelligent material flow in packaging and automotive manufacturing



Belt Conveyor



Chain & Slat  
Conveyor



Modular  
Conveyor



Roller Conveyor



Pallet & Fixture  
Conveyor



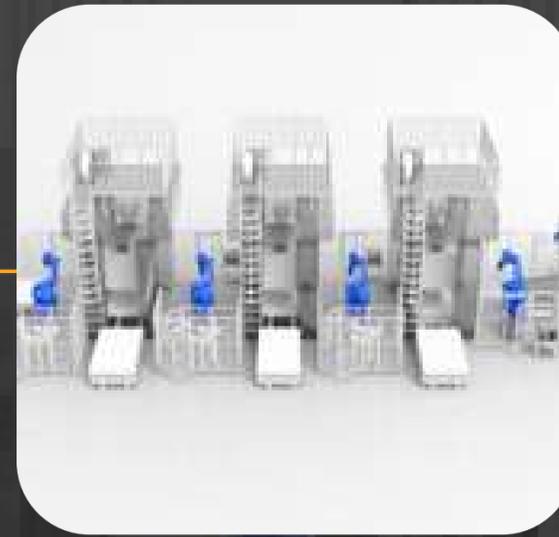


# Press Transfer Solution

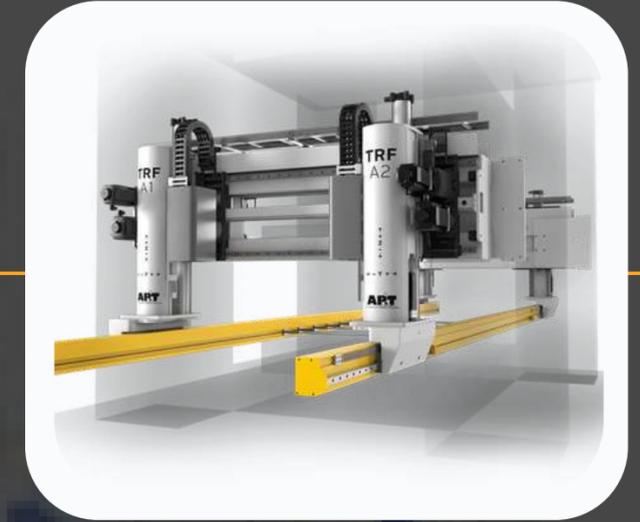
Our Press Transfer Automation is an advanced material handling solution to improve productivity, ensures consistent quality, and eliminates manual handling risks.

## Key Features & Benefits :

- High-speed robotic transfer between presses
- Seamless integration with mechanical / hydraulic / servo presses
- Multi-axis industrial robots with end effectors
- Remote diagnostics & data logging
- Recipe-based operation for multiple components



**Robotic Press Transfer**



**Linear Press Transfer**



**Cobotic Press Transfer**



**4 Axis Transfer Robot**



# Servo Press Machine Solution

Electric servo press is driven by a servo motor and features an integrated user-friendly HMI and PLC. Combined with a highly sensitive sensor, it enables precise force control. It adopts a sturdy and stable split-frame design,

## Key Features :

- High Precision & Process Management
- Customization as per Requirement
- Energy Efficient
- Easy Operation
- Low Maintenance & Long Life
- Equipped with all safety



## Applications



**Automotive  
Parts**



**Electrical**



**Assembly**



**Home  
Appliances**

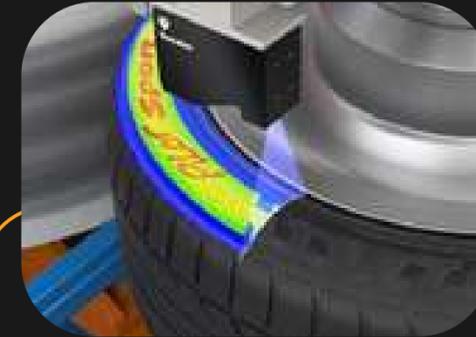


# 2D & 3D Vision Solution

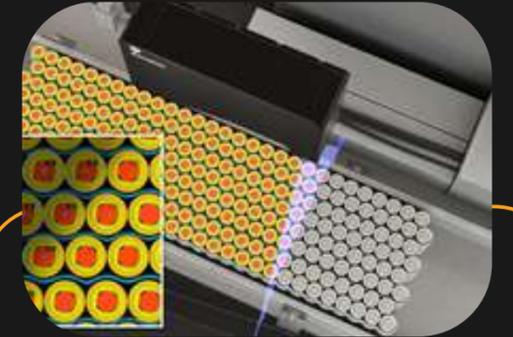
2D Vision ensure precision and consistency with high-speed 2D vision inspection that detects defects, verifies quality & 3D inspection solutions to measure depth, volume, and complex shapes



Engine Inspection



Tyre Inspection



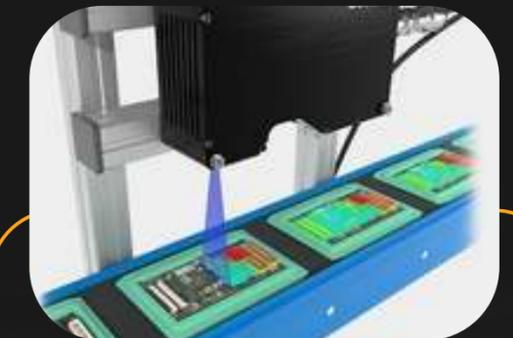
Battery Inspection



Vial Inspection



OCR Inspection



PCB Inspection



# Automation & IIoT Solution

Automation & Industrial IoT (IIoT) Solution – Smart Manufacturing – Increased productivity and machine uptime, Reduced unplanned breakdowns, Improved product quality and traceability, Lower energy and operational costs

## Key Features :

- Real-time machine & production monitoring
- OEE, downtime & performance analytics
- Predictive maintenance & condition monitoring
- Energy usage tracking & optimization
- Quality traceability & batch/part history
- Web & mobile dashboards with live alerts
- PLC, SCADA, MES & ERP integration
- Secure cloud & on-premise architecture
- Multi-line & multi-plant scalability
- Enables Industry 4.0 & Smart Factory



Track & Trace Solution



Traceability Solution



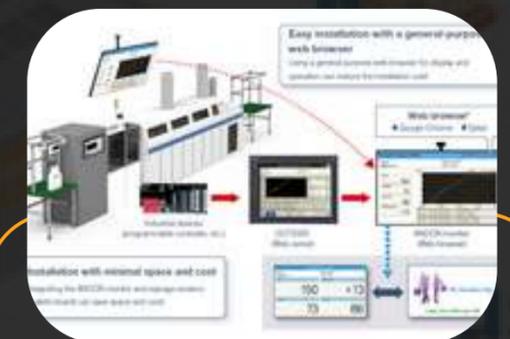
Kanban System



Production Monitoring



Warehouse Management



Andon system



# Special Purpose Machine Solution

We design and manufacture Special Purpose Machines (SPMs) engineered to deliver speed, precision, and reliability. Serving the automotive, Packaging, electrical & other industries, our solutions help manufacturers achieve higher productivity, consistent quality, and lean operations.



End Of line  
Inspection



Assembly Machine



Load Testing  
Machine



Poka-Yoke Machine





# Skilled Experts in Packaging & SPM

A skilled mining workforce ensuring safety, innovation, and reliability in all operations.



**Nisarg Prajapati**

CTO

Driving innovation in Packaging & SPM through modern technologies and proven expertise.



**Chintan Mistry**

Manager - Production

Ensuring on Production Planning & Scheduling, Quality Control & Assurance, Team Leadership for Better Machine Quality and On time Delivery



**Dinesh Sinh**

Manager - Design

leads the engineering team in creating, developing, and validating mechanical systems from concept to manufacturing, ensuring quality, compliance.



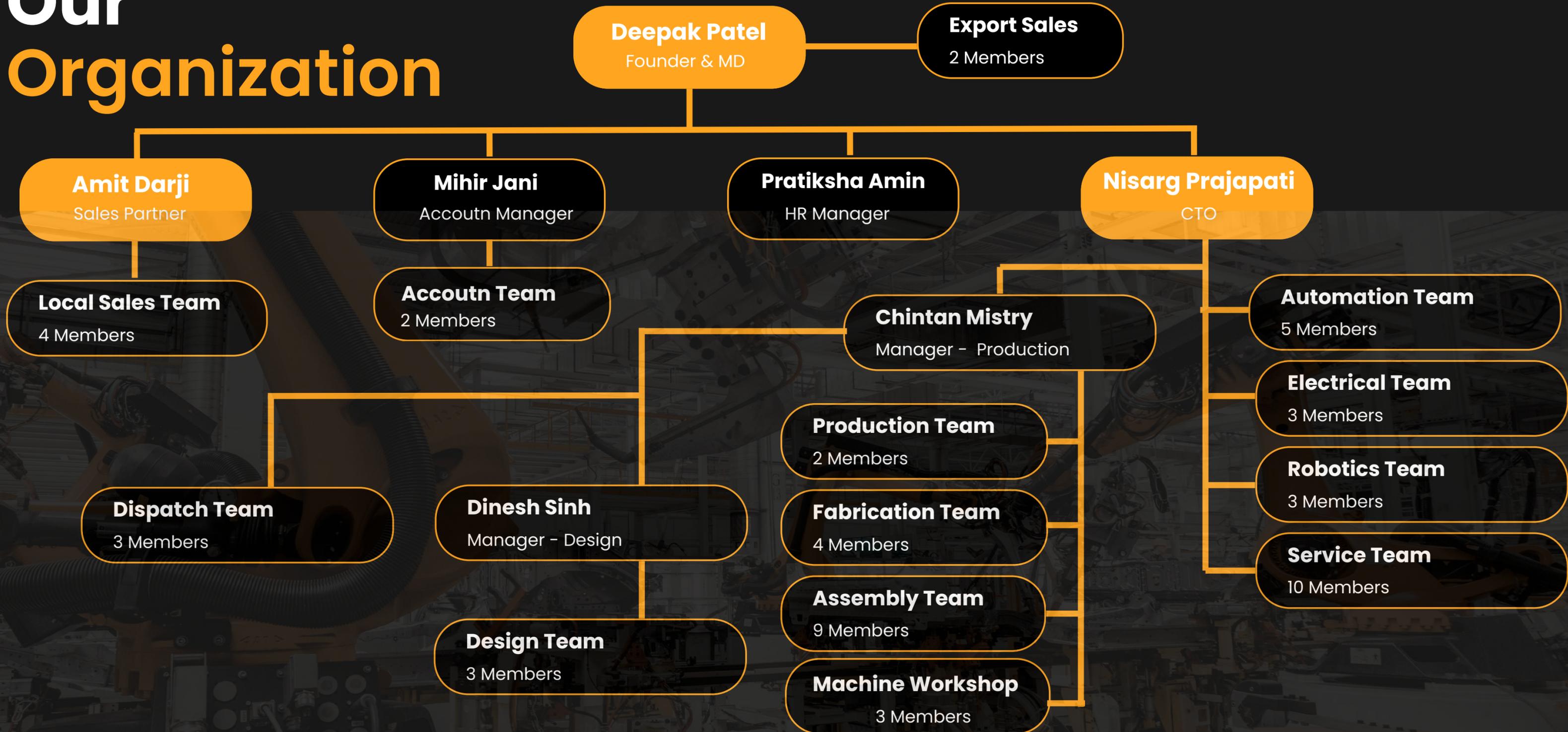
**Prashant Akabari**

Project Manager - Robotics

Maintaining on-site operations with dedication, technical knowledge, and a focus on Robotics & Automation



# Our Organization

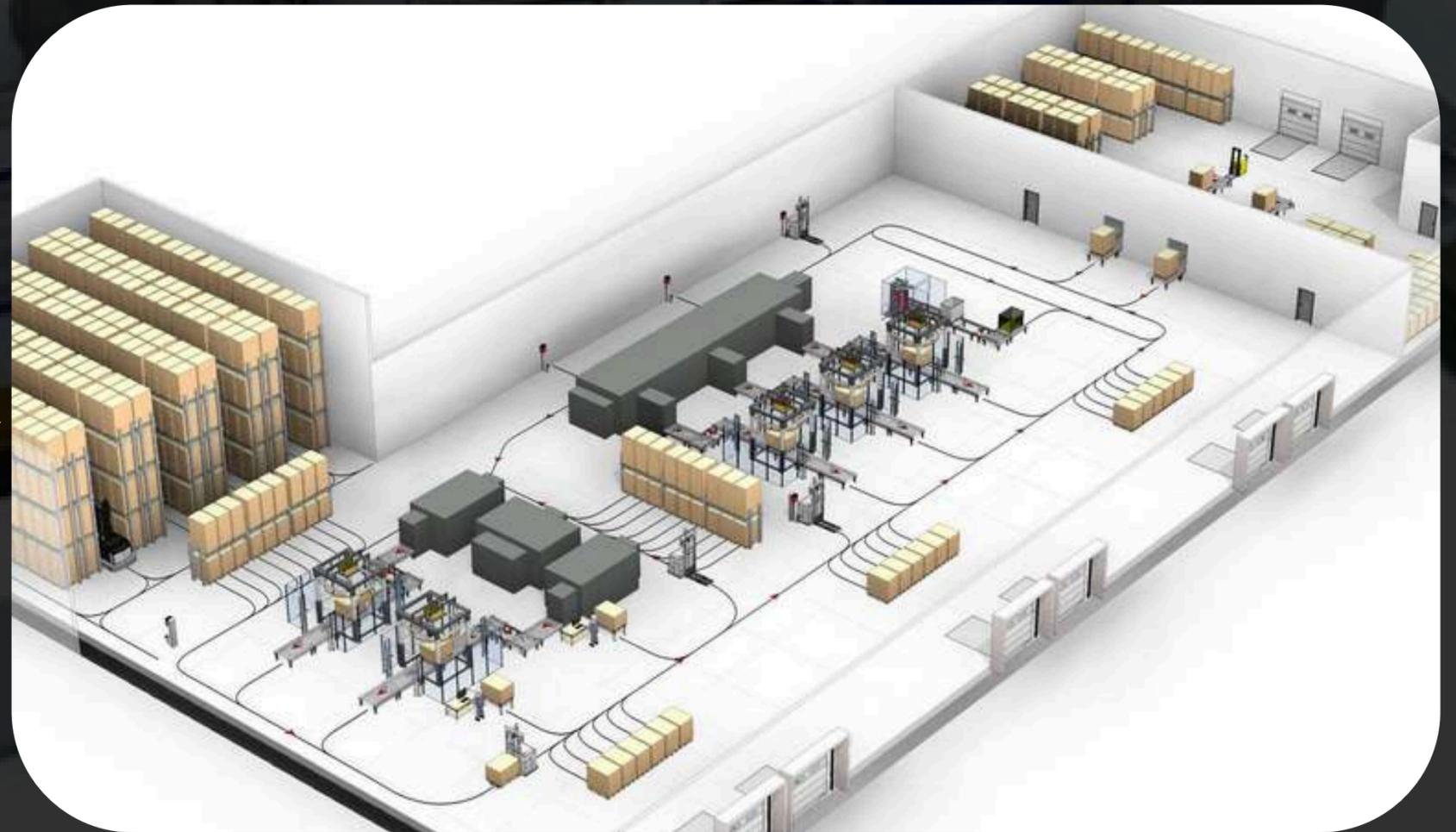
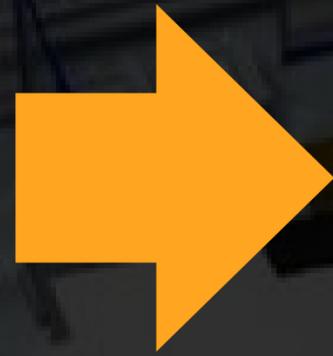




# Our Future goal

## For Packaging Line

To expand from single-line robotic secondary packaging solutions to multi-line integrated robotic packaging systems seamlessly connected with warehouse and logistics automation for end-to-end manufacturing efficiency.



Packaging Line

Packaging Line with Smart warehouse and logistics automation



# Our Future goal

For Automotive Industry

To develop scalable automation solutions progressing from single SPM and robotic stations to fully automated automotive assembly lines with integrated end-of-inspection and traceability systems.



Robotic & SPM



Assembly lines with integrated end-of-inspection and traceability systems.

# Expanding Our Global Reach

Expanding globally with Global partnership, Customization, Diversification & Safety Compliance in Robotics & Engineering

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Strong global partner & distributor

Customized solutions for diverse industry needs

Diversification strengthens resources.

Compliance with international quality & safety



Contact

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