



SMART WAREHOUSE AUTOMATION SOLUTIONS

ENGINEER • INTEGRATE • AUTOMATE • OPTIMIZE



HIGH ACCURACY
NAVIGATION



360° SAFETY
PROTECTION



MODULAR &
SCALABLE DESIGN



EASY INTEGRATION
WITH SYSTEMS



MAXIMUM UPTIME
& EFFICIENCY



“We, the Mechatronics Group of Companies, firmly believe in delivering excellence through efficient, high-quality solutions and outstanding customer service. Our team understands your needs and offer customized solutions. We ensure 24/7 service support to be your reliable partners.

During the course of our journey, We have designed and developed many factory and process automation for prestigious multi-national companies like DEWA, Dubal, ADNOC, Emal, Nestle, Unilever, Jotun Paints, Coca-Cola, etc. We have successfully established as one of the go-to Warehouse automation solution provider.

We firmly believe in performance and not in perishing.”

Stanley C. J. Daniel
Chairman and Managing Director



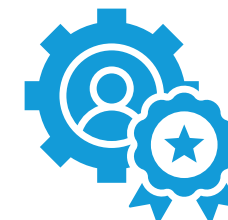
WHY CHOOSE US?



12 OFFICES



5 COUNTRIES



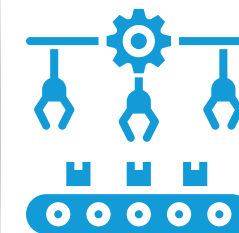
65 + TOP BRANDS



500+ EMPLOYEES



10000+ CUSTOMERS



2 MANUFACTURING UNITS



GLOBAL PRESENCE

Headquarters

Mechatronics Industrial Equipment FZ-L.L.C.
Dubai Production City, Dubai, U.A.E.

U.A.E. Branches

Dubai - Al Qusais • Abu Dhabi • Ras Al Khaimah

Middle East Presence

Bahrain • Qatar • Saudi Arabia

India Operations

Headquarters - Chennai, Tamil Nadu
Manufacturing - Sriperumbudur, Tamil Nadu

Regional Presence

Delhi • Mumbai • Pune • Bengaluru
• Ahmedabad • Kolkata • Hyderabad
• Jamshedpur • Coimbatore





OUR FACTORIES

UNITED ARAB EMIRATES



INDIA



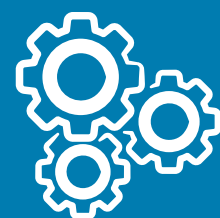


HOW WE WORK?



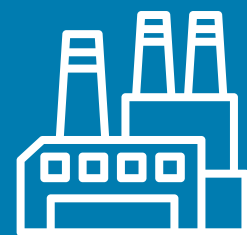


WHAT MAKES US DIFFERENT?



ENGINEERING

Application-focused
automation



MANUFACTURING

Customized industrial
production



INTEGRATION

End-to-end system
capability



SERVICE

Fast technical
support



TRAINING

Knowledge-driven
customer support



TRANSFORMING WAREHOUSE LOGISTICS

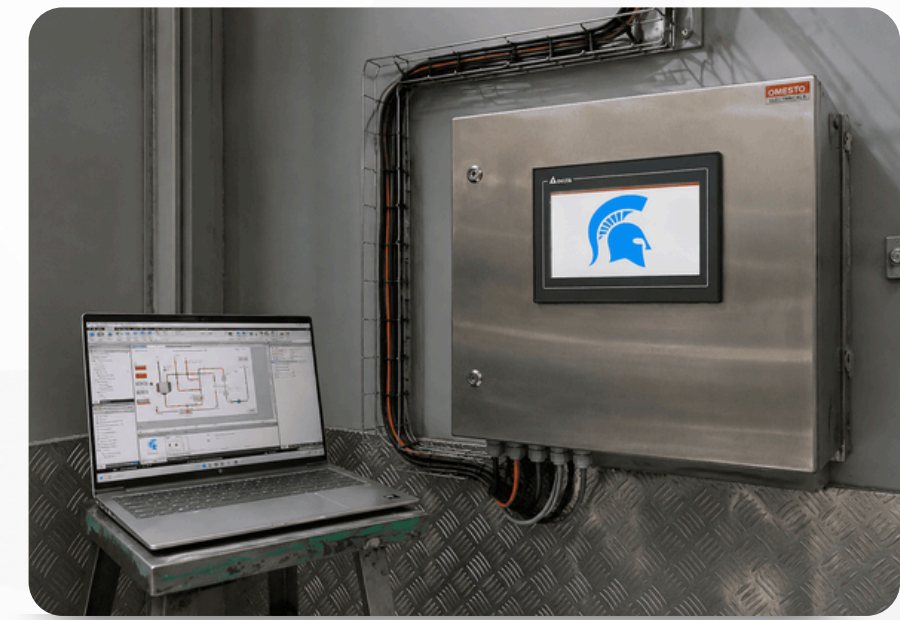
Conveyor Automation



Warehouse Robotics



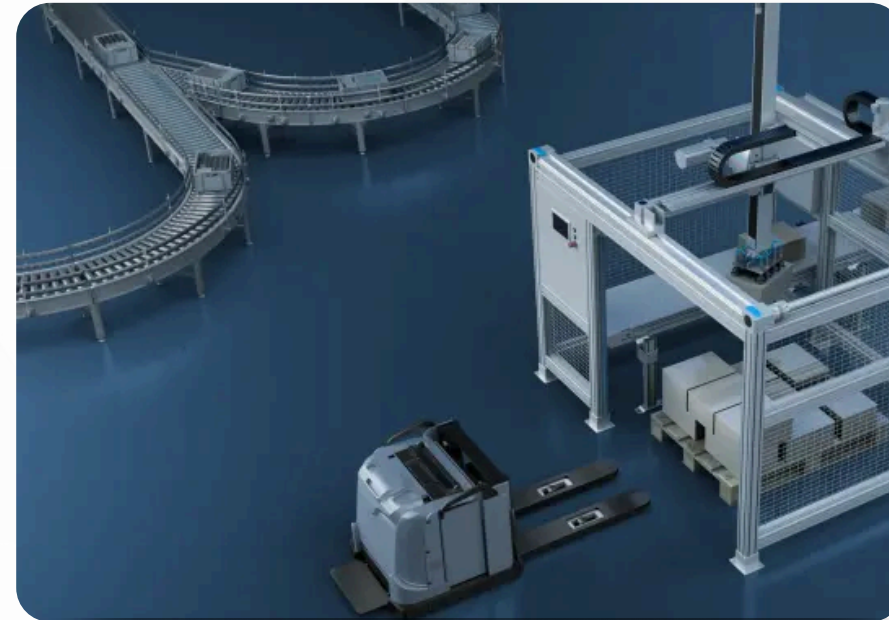
Industrial Controls



Machine Vision



Pneumatic Automation



System Integration





INTRALOGISTICS AMRS

Compact Autonomous Mobile Robots for Efficient Material Transport

Features

- ✓ Payload Capacity: 100-400 kg
- ✓ Dimensions: 845 × 625 × 300 mm
- ✓ Minimum Aisle Width: 950 mm
- ✓ Navigation Accuracy: ± 5 cm
- ✓ Operating Time: Up to 8 hours

Ideal Applications

- Tote, tray, bin and parts transportation
- Kitting and line-side material delivery
- Point-to-point intralogistics
- Modular top attachments such as shelves and conveyor modules



INDUSTRIAL AMRS

High-Capacity Autonomous Mobile Robots for Industrial Material Handling

Features

- ✓ Payload Capacity: 500-1500 kg
- ✓ Dimensions: 1240 × 750 × 329 mm
- ✓ Minimum Aisle Width: 1100 mm
- ✓ Navigation Accuracy: ± 5 cm
- ✓ Operating Time: Up to 8 hours

Ideal Applications

- Transport of large carts, racks and fixtures
- Heavy work-in-process (WIP) material movement
- High-volume, repetitive logistics routes
- Pallet handling with customized top modules



AUTONOMOUS TOW ROBOT

Autonomous Mobile Robot for Efficient Pallet Transportation

Features

- ✓ Payload Capacity: 1000 kg
- ✓ Dimensions: 1940 × 880 × 2170 mm
- ✓ Minimum Aisle Width: 1300 mm
- ✓ Navigation Accuracy: ±5 cm
- ✓ Maximum Speed: 1.0 m/s
- ✓ Operating Time: Up to 6 hours

Ideal Applications

- Receiving to storage
- Storage to staging
- Production line feeding
- Finished goods to shipping



PALLET HANDLING AMR

Autonomous Mobile Robot for Efficient Pallet Transportation

Features

- ✓ Payload Capacity: 1000 kg
- ✓ Dimensions: 1275 × 800 × 1900 mm
- ✓ Minimum Aisle Width: 1200 mm
- ✓ Navigation Accuracy: ± 5 cm
- ✓ Maximum Speed: 1.5 m/s
- ✓ Operating Time: Up to 8 hours

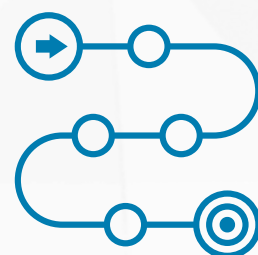
Ideal Applications

- Automated pallet transportation
- Milk run logistics
- Cart train operations
- Returnable packaging loops
- Repetitive inter-department material movement



WHAT MECHATRONICS DELIVERS

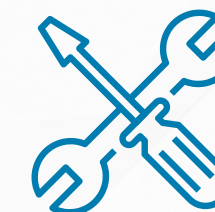
Site Survey & Workflow Mapping



Fleet Planning & Scalability



Installation, Training & Support



AMR Selection & Deployment



Route Planning & Safety Validation



WMS / ERP System Integration

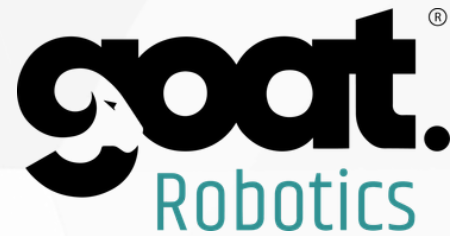


Training & After-Sales Support



OUR WAREHOUSE AUTOMATION PORTFOLIO

Our comprehensive solutions leverage leading partners to deliver advanced automation capabilities.



AUTONOMOUS MOBILE ROBOTS

- Compact & Heavy-Duty AMRs
- Autonomous Forklift Solutions
- Intelligent Fleet Management
- Warehouse Material Transport



INDUSTRIAL CONTROL PLATFORM

- PLC & IPC Controllers
- EtherCAT Motion Control
- Servo & Drive Systems
- Warehouse Control Integration



MACHINE VISION SYSTEMS

- Smart Vision Cameras
- Barcode & QR Code Reading
- Object Detection & Inspection
- Robot Guidance Systems



PNEUMATIC & MOTION AUTOMATION

- Pneumatic Actuators
- Electric Drives
- Vacuum Handling Systems
- End-of-Arm Automation



TECHNOLOGY PARTNER

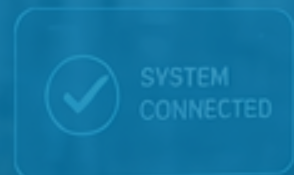
goat.[®]
Robotics

BECKHOFF

FESTO

elesa+Ganter[®] **EG**

Lovato
electric



THANK YOU



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