



Automation solutions for Food & Beverages



اصنع في الإمارات
MAKE IT
IN THE EMIRATES

acme
we pioneer the future

Did you know?

- **Labour cost** in the GCC has **increased by 30%** since the pandemic.
- AS/RS can **save up to 85%** of warehouse **floor space** and **reduce labour** requirements by up to **60%**
- Automation can have an **ROI of less than 2 years**

Why automation for F&B

Increased Savings Reduction of energy & labour cost	Increased Productivity Increase in production, throughput & storage capacity
Higher Accuracy Just in time material flow & highest picking accuracy	Increased Safety Minimized accident rate & product damage
Higher Visibility & Control Through system integration with IT solutions	Increased Hygiene End-to-end traceability and better quality control
Modular Design Possibility for future expansion & adaptable to changes	Environment Friendlier Reduction of emissions and energy costs & food wastage

Automation in F&B

With the increased demand for locally manufactured food products as well higher focus on food security and safety, manually operated F&B manufacturing & distribution centres face increasing challenges.

Discover our solutions for automation and semi-automation for your processes:

- | | |
|------------------------------------|--|
| • Tote & Case Transport | • Rainbow pallet commissioning |
| • Pallet Transport | • Food production |
| • Pallet Storage | • Hygienic clean conveyor systems |
| • Order Picking | • Control Software |
| • Sortation | • Life Cycle Services |
| • Palletising / Dispatch | |

Our systems are manufactured in the UAE allowing for quick deployment as well as support.

We provide bespoke solutions for your needs, covering any product types and dimensions, including small / light, oversized / heavy, delicate, temperature controlled and more.



AS/RS

Optimise your storage space and increase your productivity, inventory visibility and safety with automated storage and retrieval systems.

Application:

- Solutions available for pallets, boxes and totes as well as different throughput and density requirements
- Different solutions include vertical / horizontal carousels, lift modules, mini-loads, shuttles, autonomous mobile robots (AMR)

Key benefits:

- Reduced labour requirements
- Improved picking accuracy
- Greater inventory control
- Increased throughput
- Improved safety
- Reduced footprint



Order Picking Solutions

Vertical Storage



AS/RS - Vertical Lifts & Vertical Shuttle Systems

Increase your space utilization up to 90% with high pick accuracy and productivity.

Application:

- Modular vertical storage and order picking solutions
- Different solutions available depending on requirements for order frequency, picking speed, storage volume.

Key benefits:

- Scalable and flexible
- Improved picking accuracy
- Greater inventory control
- Increased throughput
- Improved safety



Conveyor Systems

Cater to demanding material handling and high throughput challenges.

Application:

- Transport, accumulate, transfer, merge and divert your cases, totes or pallets
- Can be integrated with existing order picking processes and storage system
- Solutions for all product sizes and loads available

Key benefits:

- Maximise throughput
- Easy maintenance
- Reliable & safe operability
- Proven solution
- Accurate product tracking through software integration

Robotic Solution

Operate a lean Distribution Center using flexible robotics.

Application:

- Designed to execute multiple, efficient order picking strategies, transport goods and materials and aid replenishment processes
- AI Vision solutions offer highest flexibility and allow for picking of a wider range of products without pre-registration

Key benefits:

- Improved accuracy & productivity
- Flexible application & re-assignment
- Scalable solution within existing infrastructure
- Easy implementation & low installation cost





Vacuum Material Handling Systems

Enhance your work and product safety while increasing your productivity.

Application:

- Ideal for repetitive pick and place operations, particularly for the handling of heavy and non-standard products
- Semi-automated vacuum lifters enable ergonomic work & increased handling speed
- Up to 300kg weight, suited for cardboard boxes, bags, barrels, wooden boards and a variety of other applications

Key benefits:

- Quick return on investment
- Easy integration into existing process
- Increased handling speed
- Reduce worker injury

Sortation

Sortation Systems

Optimise your order fulfillment process with fast and high accuracy solutions.

Application:

- Order consolidation for medium and high throughput requirements
- Scalable with various options for your specific needs, including push-tray, cross-belt or sliding shoe sorter
- Solutions for all product sizes and loads available as well as for fragile or bags and pouches.

Key benefits:

- Accurate order processing
- Improved process visibility & control
- Improved productivity



Order Fulfillment Technologies

Increase the efficiency and accuracy of your order picking process.

Application:

- Process your orders faster and more effectively with fully automated or integrated solutions, tailored to your needs
- Our range includes: goods-to-person, pickwall, vertical fulfillment, robotic picking, pick-to-light / put-to-light and RF picking systems
- Suitable for direct-to-customer deliveries, store replenishment or omni-channel distribution models

Key benefits:

- Increased operational efficiency
- Reduced labour requirements at increased productivity
- Higher operation speed & accuracy



Pallet Storage

Tote & Case Storage



Racking Solutions

Organise your distribution center with pallet racking and bolt-free shelving solutions.

Application:

- Versatile and modular racking available in many configurations with wide variety of accessories
- Ideal starting point for all your warehousing and storage needs
- Pallet racking for capacities between 1000-3000 kgs/level
- Bolt-free shelving for lighter products.

Key benefits:

- No specialised handling equipment required
- Improved density
- FIFO / LIFO options

Warehouse Control System

Increase visibility & control of your inventory and processes.

Application:

- Integrates conveyor, sorter and retrieval system control, system diagnostics, visualization, operator control and maintenance into a single system
- Enables easy central control of machine operation within the entire warehouse

Key benefits:

- Convenient user interface
- Reliable system monitoring & report generation
- Flexibility & adaptability to changing operational cycles



Life Cycle Support



Maintenance & Support Services

End to end life cycle support service that can be deployed on-site or on an on-call basis.

Application:

- Life Cycle Support Services include equipment maintenance, safety, and obsolescence management, training customer maintenance staff to safely maintain and improve machine and system longevity

Key benefits:

- Highly skilled team
- Consultative and collaborative
- Short reaction time
- Regional availability

About Acme



Largest regional material handling solution provider

Based in UAE since 1975 with offices in India, Germany, Colombia & KSA

An expert in optimising operational efficiency

More than 3,000 projects handed over since 1999

The hub for specialists

140+ employees, with 50 engineers

An advocate for quality commitment

TUV Nord certified: ISO 9001:2015, ISO 14001: 2015 & ISO 45001: 2018

A pioneer in everything we do

Middle-East's First SAP HANA Cloud platform equipped enterprise



Access to the best global technology and experience

Strong partnerships with key global suppliers for fast delivery

Local manufacturing & testing

Production & assembly of advanced intralogistics + factory automation systems in Dubai

Reliability & Performance

Solutions that deliver on optimisation & cost-efficiency needs

Setting industry benchmarks

Combining proven practices & development of new concepts for the best outcome

Customer care

Solutions tailored to your needs, continuous service & access to our local experts



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