



## Automation solutions for Retail & E-commerce



اصنع في الإمارات  
**MAKE IT**  
IN THE EMIRATES

**acme**<sup>gear</sup>  
we pioneer the future

## Did you know?

- Order picking accounts for over **63%** of warehouse **cost**
- **54%** of customers **return a product** because they received the wrong item
- Automation can have an **ROI** of less than **2 years**

## Why automation for Retail & E-commerce

<b>Increased Savings</b> Reduction of energy & labour cost	<b>Increased Productivity</b> Increase in production, throughput & storage capacity
<b>Higher Accuracy</b> Just in time material flow & highest picking accuracy	<b>Increased Safety</b> Minimized accident rate & product damage
<b>Higher Visibility &amp; Control</b> Through system integration with IT solutions	<b>Designed for Omnichannel Experience</b> Flexible fulfillment solutions
<b>Modular Design</b> Possibility for future expansion & adaptable to changes	<b>Environment Friendlier</b> Reduction of emissions and energy costs

## Automation in Retail & E-commerce

The increasing demand of consumers in terms of availability and speed of delivery can create challenges for manually operated warehouses to thrive in a highly competitive environment.

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

• Tote & Case Transport	• Order Picking
• Receiving	• Returns Management
• Sortation	• Palletising / Dispatch
• Tote & Case Storage	• Control Software
• Pallet Storage	• Life Cycle Services

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.





## 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



### Sortation Systems

### Receiving Solutions

### Returns Management



## 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
- Reduced returns
- Improved productivity

## 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



## 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



## Pallet Storage

## Tote & Case Storage



## 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



## 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



### 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



## The Acme Group

### Acme Intralog FZCO

Plot S40125, Jebel Ali Free Zone South, Jebel Ali, P.O. Box 3636, Dubai, UAE

### Acme Industrial Hardware Trading Co LLC

Iris Bay Tower, Office 2405, Happiness Street, Business Bay, P.O. Box 3636, Dubai, UAE

### Acme Intralog International for Contracting

3141 Anas Bin Malik, Al Malqa Dist. Riyadh, Kingdom of Saudi Arabia

+971 4 37 69 000

800 ACME (in UAE)

[info@acme-world.com](mailto:info@acme-world.com)

For our office details in Europe, India and LatAm please check our website:

[acme-world.com](http://acme-world.com)

