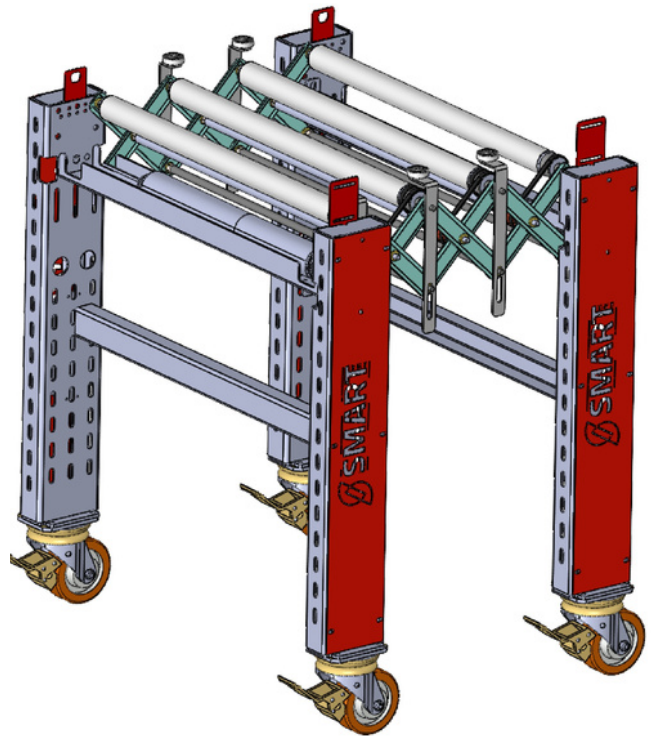


SMART ACC

FLEXIBLE CONVEYOR

24 V DC POWER MOLLER SOLUTION

- ✓ Flexible and Easily Manoeuvrable
- ✓ Ideal for Loose loading and unloading of vehicles
- ✓ Expandable structure
- ✓ Increased efficiency
- ✓ Adjustable speed from 0.1 to 1.2 m/s
- ✓ Operates with 24V DC motorized rollers
- ✓ ZPA – Zero Pressure Accumulation
- ✓ Modular Control System
- ✓ Smart Sorters Compatibility
- ✓ ERP and IoT Integration
- ✓ Real-time data transmission
- ✓ Simple and low-cost maintenance



Scan the Code to
Access the SMART
ACC Video



SMART ACC

Flexible / Reliable / Smart / Fast / Economical

The Smart ACC Flexible Conveyor is a modular conveyor system that expands and contracts like an accordion. Ideal for dynamic environments, it can be easily moved, stored, and relocated. Unlike traditional gravity conveyors, Smart ACC uses motorized rollers for active transport, improving operational efficiency.

Technical Specifications

Width Range: 400 mm – 1200 mm (adjustable for various package sizes)

Length (Adjustable): 3400 mm (fully contracted) – 8000 mm (fully extended)

Speed: Adjustable from 0.1 to 1.2 m/s

Modular Design: Each module includes 11 motorized rollers.

Power Supply: 24V DC, with an optional integrated battery pack for cordless operation.

Advantages

- **Labor savings:** Reduces the need for manual handling with efficient
- **Faster flow:** Accelerates transfer speed across loading and unloading points.
- **Minimal space required:** Collapsible and compact when not in use — ideal for tight or dynamic environments.
- **Low maintenance cost:** Built with durable components parts to reduce service needs.
- Instant deployment
- **Modular and portable:** Flexible, extendable, and easy to relocate as operational needs change.



Motorized Flexible Conveyor Powered by Itoh Denki Technology



PM500VE and XP Series Motors

- 24V DC brushless motorized rollers
- High reliability, energy-efficient
- Up to 300 kg static load capacity

Control & ZPA

- IB-P01F-UL controller
- Smooth start/stop, speed control
- Zero Pressure Accumulation (ZPA) prevents contact

ICEP Integration

- ICEP compatible (plug & play)
- Modular and scalable system
- IoT-ready, energy-efficient, autonomous capable

Technology & Integration

Works in sync with ERP systems and is IoT-ready. Supports real-time monitoring and configuration.

SMART ACC Flexible Conveyor

Integrated Sorting Modules: MABS & F-RAT NX

MABS – Multi Angle Ball Sorter



- MABS is a versatile diverter unit capable of redirecting packages at 30°, 45°, or 90° angles using multi-directional ball rollers. It is electrically powered by Itoh Denki 24V DC motorized rollers, eliminating the need for pneumatics.

F-RAT NX Transfer Module

- F-RAT NX is a 90° angle transfer module powered by 24V DC brushless motorized rollers. It allows smooth, precise transfers for items up to 50 kg and operates with a flat transfer mechanism to handle irregular or sensitive items with ease.

SMART EMK WMS Software and Integration



- Comprehensive control of Smart ACC with real-time monitoring
- ERP integration enables real-time data synchronization
- User-friendly interface (tablet, smartphone, PC)
- Live status, alerts, and setting adjustments
- Tracks KPIs: throughput, speed, uptime
- Cloud integration for centralized data and analytics
- Quick deployment, fully customizable for workflow needs

Usage & Application Areas

- **Warehousing & Logistics:** Shelf-to-station transport, sorting, modular flexibility
- **Sortation Systems:** High-throughput parcel/mail sorting with MABS & F-RAT NX
- **E-commerce & Retail:** Efficient item flow, reduced manual handling, peak-time support
- **Production & Assembly:** Part feeding, product transfer, mobile between work cells
- **Vehicle Loading/Unloading:** Wheeled & extendable for fast, safe loading operations

Occupational Safety



- All moving parts are protected. 24V DC low-voltage motors, emergency stop features, and quiet operation ensure a safe and comfortable environment.

Return on Investment

- The system typically pays for itself in 6–12 months, thanks to labor savings, faster operations, and low maintenance.

Sustainability

- Low-voltage motors and optimized algorithms offer energy savings and reduce environmental impact.

Advanced Integration

- Fully integrable with volume scanners, checkweighers, robotic arms, and vision systems. Industry 4.0 compliance enables KPI monitoring and decision support.

After Sales Support



- Quick installation
- Spare parts and warranty
- Remote technical support

OUR REFERENCES

- BSH
- AMAZON
- YKK
- FORD
- FIAT
- AK GIDA
- DEFACTO
- ÜLKER

references



SMART EMK OTOMASYON SİSTEMLERİ DANIŞMANLIK TİC. LTD. ŞTİ.

WWW.SMART-EMK.COM



CONTACT

E-MAIL: info@smart-emk.com

PHONE: +90 216 514 65 12

ADRESS: Esentepe Mah. İnönü Cad. No:147 Kartal Kule K:9 D:83 Kartal/ İSTANBUL