

Why AES?

Specialized Solutions:

- **Tailored Design:** Systems fit specific requirements.
- **Integration Capability:** Seamless integration with existing lines.

Performance Optimization:

- **Efficient Throughput:** Accelerate production while maintaining integrity.
- **Reliability and Durability:** Built to withstand continuous operation, long-lasting performance.

Designed for Food Safety:

- **Easy to Clean:** Designed to eliminate debris harborage.
- **Oil-Free Design:** Mag-drives with no gear that requires oil, no chance of oil leak!

**We listen to
customize your
packaging needs**

CONTACT US

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CONVEYING SYSTEMS & PRODUCT HANDLING

www.aes-atlas.com

Innovative packaging solution - Hygienic, Reliable, Cost-Effective



One Motion MAG-DRIVE TECHNOLOGY

Revolutionizing motion in packaging, One Motion's Mag-Drive delivers clean, quiet, and ultra-precise performance with low maintenance. By eliminating gearboxes, belts, and encoders, it offers a compact, hygienic solution that enhances efficiency, uptime, and design flexibility—ideal for today's demanding automation needs.

Mag-Drive



Oil-Free



Conventional Gear Motor

Mag-Drive



Gearless
Design



Conventional Gear Motor



APPLICATIONS

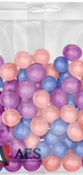
FROZEN FOOD



BAKERY

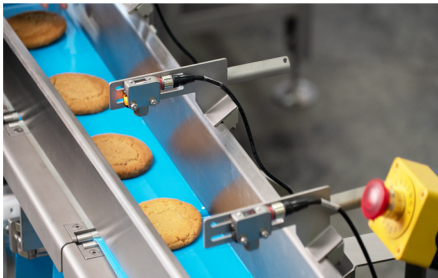


CONFECTIONERY



HYGIENIC CONVEYING SYSTEMS BY AES ”

Infeed Systems



Features:

- Open Loop Synchronous motion for precise product spacing, without the need for encoders.
- Powered Hubs with photo-eyes for accurate positioning.
- Multiple belts for product sensing and control.
- Velocity adjustment for accumulation and timing.
- Washdown-safe, vacuum-free, easy-to-clean design.

Benefits:

- Evenly spaced product delivery to packaging machines.
- Precise speed control for enhanced efficiency.
- Minimizes manual adjustments and maintenance.
- Cleaner, safer environment with washdown-safe design.

Merge and Divert Systems



Features:

- High-speed merging (300 PPM) with mag-drive.
- Gearbox-free, minimal parts for reliability.
- Compact design.
- Compatible with Allen-Bradley controls.

Benefits:

- Energy-efficient (500W total power).
- Flexible production with compact design.
- Lower maintenance costs, simplified design.

Compact Singulation Systems



Features:

- Servo-like precision belt speed control.
- Gearless design for fewer failures.
- Compact footprint for space efficiency.
- No lubricants, eliminating oil leaks.

Benefits:

- Enhances reliability, reduces downtime.
- Efficient product singulation in less space.
- Energy-efficient, lowering costs.
- Simplifies cleaning, ensures hygiene compliance.

Transporting Systems



Features:

- Utilizing Delta VFDs to control speed on demand with instantaneous response.
- Using customized belting to achieve secure product placement with minimal backlash pressure.
- Improving workflow between stations and levels.

Benefits:

- Reducing power usage without sacrificing output.
- Ensuring product positioning and consistent spacing throughout the process.
- Allowing customizable dimensions and design to fit any floor plan and maximize space utilization.

HYGIENIC PRODUCT HANDLING BY AES ”

Collator



Features:

- Realign products coming from various sources and restructures into single file or groups for easier handling.
- Customizable belt size allows easy transportation of any products.

Benefits:

- Effortless integration
 - Customized size and speed range suited for your needs and products.
- Non-stop operation
 - Continuous workflow eliminates the possibility of misplaced products due to human error.
- Contamination-free
 - Prevents cross-contamination, keeping food products safe and sanitary.

Turntable



Features:

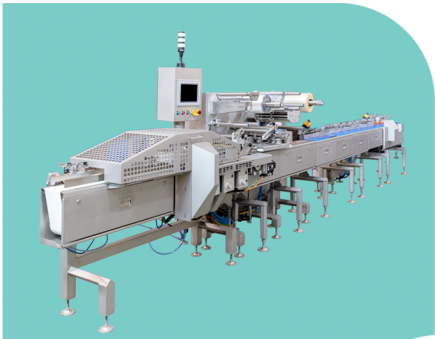
- Allows robust controls.
- Precise control on demand with instant response varying from 5-50 RPM.

Benefits:

- Improving workflow
 - Turntable allows product handling by distributing single source to multiple spaces for staff.
- Fully washdown
 - Ease of cleaning procedure as motors and table are fully waterproof.
- Labor saving and line efficiency
 - Allows up to four workers for secondary packaging.

AES TURNKEY SOLUTION

Primary Packaging



Flow Wrapper

Secondary Packaging



Smart Belt Infeed

Metal Detector



Inspection System

Elevated Conveyor



Conveying System