



GARNET™ SMART INFEED

Innovative packaging solution - Hygienic, Reliable, Cost-Effective



ABOUT AES

With decades of expertise in manufacturing, engineering, and sales, our highly experienced team utilizes its vast knowledge to provide accessible and hygienic packaging solutions that drive growth.

Our systems incorporate cutting-edge technology of One Motion™ mag-drive, bringing notable advancements to the packaging machinery industry.

As a customer-oriented company, our utmost goal is to provide our clients with primary and secondary packaging solutions that strike a harmonious balance between technology, sanitation, reliability, and sustainability.

**We listen to
customize your
packaging needs**

CONTACT US

ADDRESS

112 - 1525 Broadway St
Port Coquitlam
BC V3C 6P6
Canada

Call Now!

+236.428.2082

www.aes-atlas.com
info@aes-atlas.com

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INTRODUCING THE GARNET



Garnet is a smart belt system that automatically repositions randomly arriving products into an equally spaced single file line of products, integrating seamlessly with various packaging systems for both primary and secondary packaging.

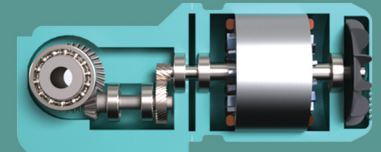
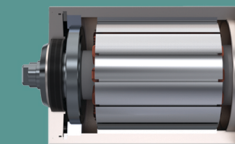
The Garnet features independently driven belts using One Motion™ mag-drive, ensuring high efficiency and a hygienic design. The mag-drives enable precise positioning, resulting in minimal production errors. When a product enters the system, its phase is compared to the required phase by the PLC, allowing for precise corrections. The simple construction allows for easy cleaning, quick belt changes, and minimal maintenance, ensuring higher uptime.

Experience the benefits of the Garnet seamless integration, sanitary design, and exceptional versatility to revolutionize your operations with precision and maximize productivity.

ADVANTAGE

- ① Reliability
- ② Efficiency
- ③ Performance
- ④ Hygienic

MAG-DRIVE VS CONVENTIONAL GEAR MOTOR



*learn more at onemotion.tech

SPECIFICATIONS

PRODUCT RANGE

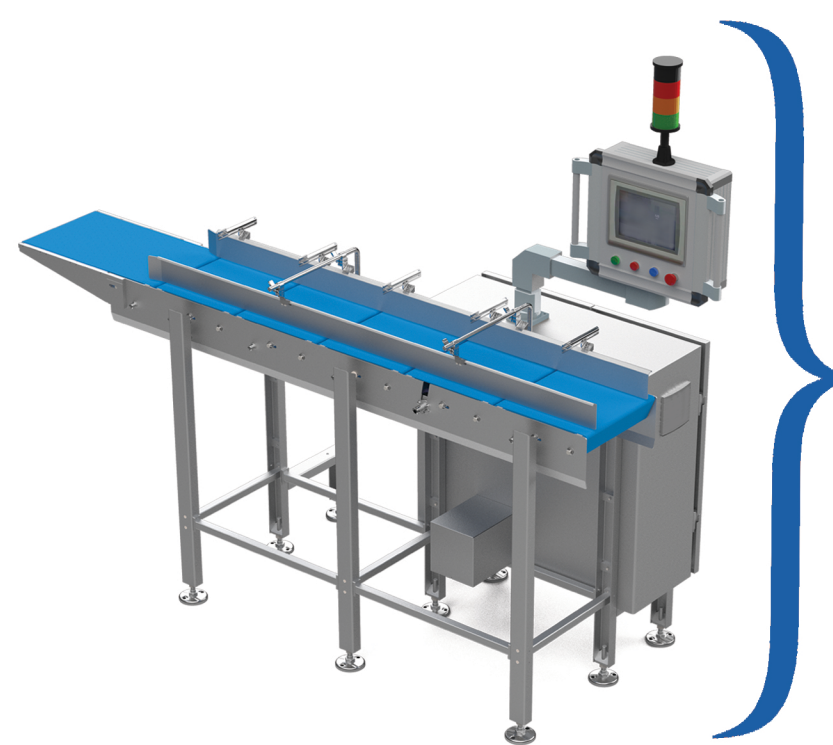
Product Length	250 mm (10")
Product Width	304.8 mm (12")
Product Weight	7 lbs

OUTPUT

150 - 175 PPM

*Specifications may vary by application; minimum and maximum dimensions cannot coexist.

WE CUSTOMIZE
THE GARNET
SYSTEM TO
FIT YOUR NEEDS



GARNET PP :



GARNET SP :



Ensures precise product alignment, ideal for handling grouped products in optimizing processes in **primary packaging**. It automates the arrangement of products into a single file, repositioning and phasing them to the infeed section of a flow wrapper. Whether it's delicate, irregularly shaped, or varying size items, Garnet PP handles them with precision and care.

Designed to automatically feed packaged products to end load cartoners for **secondary packaging** processes. Its smart conveyor system ensures reliable and synchronized movement, streamlining cartoning processes with ease and precision. It can efficiently handle multiple products simultaneously while ensuring consistent feeding of packages.

Precise Positioning

Automatic reposition of product into single file.

Hygienic Design

IP69k washdown safe design.

Higher Efficiency

94% system efficiency per smart belt.

Cost Effective

Reduces manual labor, increases output, improves overall efficiency.

Flexible Adaptability

Suitable for wide range of product sizes, shapes, and packaging requirements.

Reliable Packaging

Increases uptime, maximizes productivity.

Sustainable approach

Reduction in energy consumption.