



SAPPHIRE™

HORIZONTAL FLOW WRAPPER

Innovative packaging solution - Hygienic, Reliable, Cost-Effective



STREAMLINED PRODUCT REPOSITIONING : SMART BELT INFEEED

The smart belt infeed automatically feeds products to the flow wrapper. This is achieved by accepting a single lane of unevenly arranged products. The photo eyes catch the leading edge and the end to automatically adjust speeds of the belts to precisely reposition products to create even spaces in between them. This eliminates labour required to adjust products in a cost-effective way.



1 Performance

Powered by One Motion mag-drives, this advanced direct-drive technology enables precise control and grants the machine a wide speed range, ensuring optimal performance and versatility.

2 Food Safety

The gearless, oil-free transmission design provides a food-safe environment, making it the perfect solution for food applications.

3 Reliability

Leveraging an innovative design that incorporates 90% fewer rotating components compared to conventional gearmotors. This streamlined approach minimizes the risk of mechanical failures, guaranteeing an efficient operation and exceptional reliability.

4 Energy Efficient

Our motors exemplify energy efficiency as they harness the power of magnets for direct mechanical rotation. This approach minimizes energy consumption, making our machine an environmentally conscious choice for sustainable operations.

APPLICATIONS



Bakery Goods



Candies



Glazed products

INTRODUCING THE SAPPHIRE

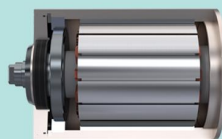


The Sapphire horizontal flow wrapper is engineered for advanced manufacturing, prioritizing sanitation, and simplified cleaning procedures. The system is powered by One Motion mag-drives, a cutting-edge technology that enables higher production efficiency, lesser downtime, quick changeovers at a cost-effective manner.

ADVANTAGE

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

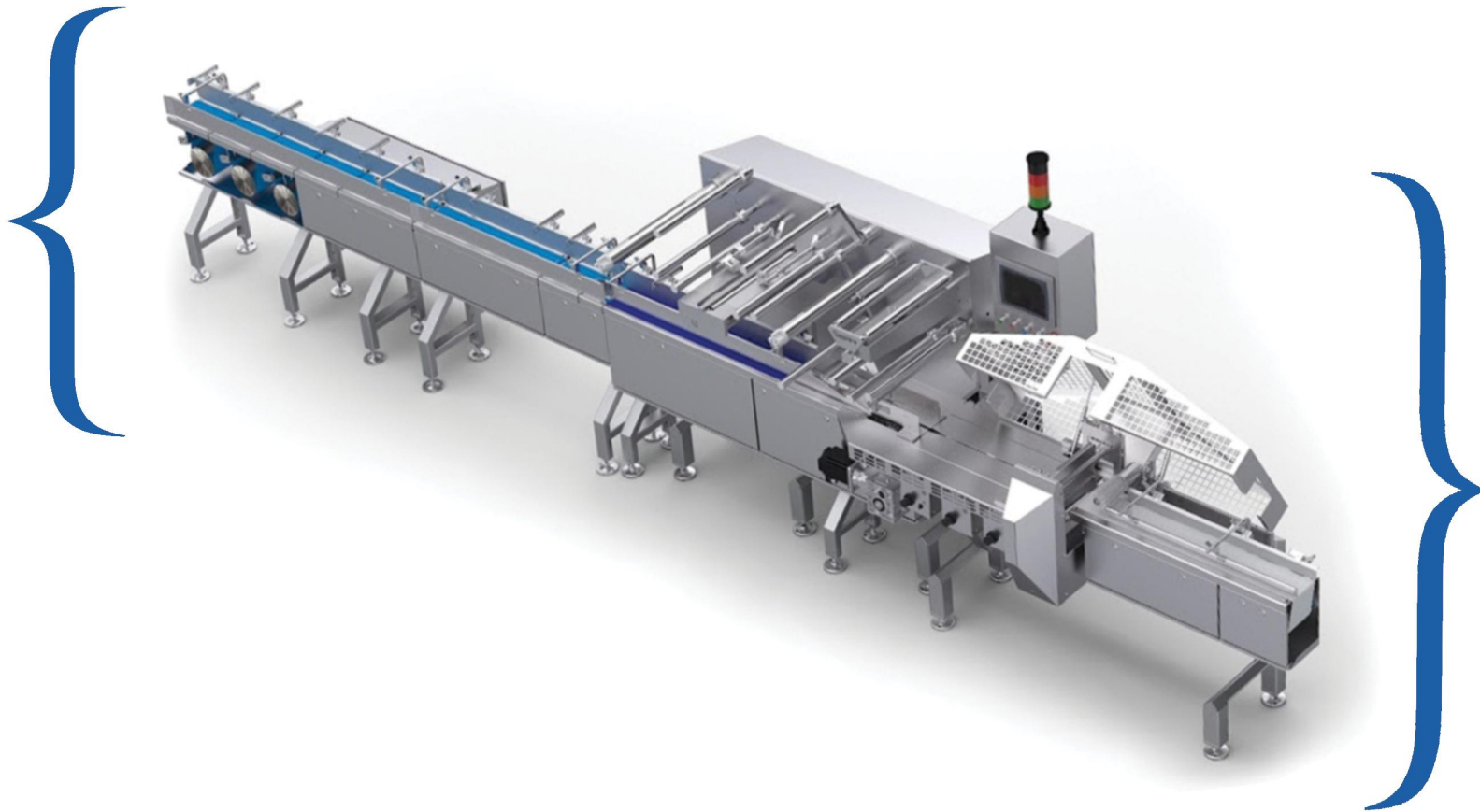
MAG-DRIVE VS CONVENTIONAL GEAR MOTOR



✓
✓
✓
✓

X
X
X
X

*learn more at onemotion.tech



Precise Positioning

High dynamic response for quick position correction.

Hygienic Focus

Powered by One Motion mag-drive, IP69K washdown safe, cantilevered and low profile tree design, lubricant free.

WE CUSTOMIZE THE SAPPHIRE SYSTEM TO FIT YOUR NEEDS

SPECIFICATIONS

PRODUCT RANGE

Product Length	25 mm (1") to 565 mm (22.2")
Product Width	12 mm (0.5") to 250 mm (9.8")
Product Height	6 mm (0.23") to 100 mm (4.3")

FILM REEL

Reel Diameter	Max. 400 mm (15.7")
Reel Weight	Max. 70 kg
Film Width	Max. 700 mm

OUTPUT

Max. 1-up capacity	Up to 150 packages/min
Max. 2-up capacity	Up to 450 packages/min
Max. 4-up capacity	Up to 650 packages/min
Max. film speed	Up to 90m/min

* The presented specifications are subject to change without notice, and it is not feasible for the minimum and maximum dimensions to coexist.

Easy to Operate

No servo-motors,
controlled by
Allen- Bradley 525
Standardized drives.

Less Downtime

Automatic film tracking,
automatic film slicing,
easy belt removal.

Eco Friendly

No product no
packaging, to save
energy and
material wastage.



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-drives, 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

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