

K.Handle layer palletizer PA15
with K.Handle infeed station ZF72

Effective palletizing

The gentle product palletizing solution



The gentle product palletizing solution

K.Handle layer palletizer PA15:

Space-saving, gentle on products, modular in design and always expandable

The PA15 layer palletizer represents a very versatile palletizing solution, one that offers the highest configuration flexibility of layer patterns and a variety of processable products.

Offering flexible motion sequences and compatibility with a variety of infeeds, the palletizer carefully handles virtually any product including those with a high level of fragility. Due to its mechanical design, the PA15 is especially suited for handling high volumes and diverse packaging formats.

With the aim to meet and exceed today's customer requirements, the palletizer offers precise alignment of layer formations and floor-level palletizing.

In addition, the simple and variable programming combined with the modular machine concept means that each individual PA15 palletizing solution can be tailored to the customer's specific requirements.

High performance and speed now go hand in hand with extremely gentle product processing. Due to the driven placement belt, even products that require careful and sensitive handling can be palletized quickly and efficiently.

Use and Application

Rather than pushing products, the PA15 conveys products throughout the handling process. Thereby eliminating the need for additional format pushers for product grouping. This results in reduced product damage during palletizing and less malfunctions during operation.

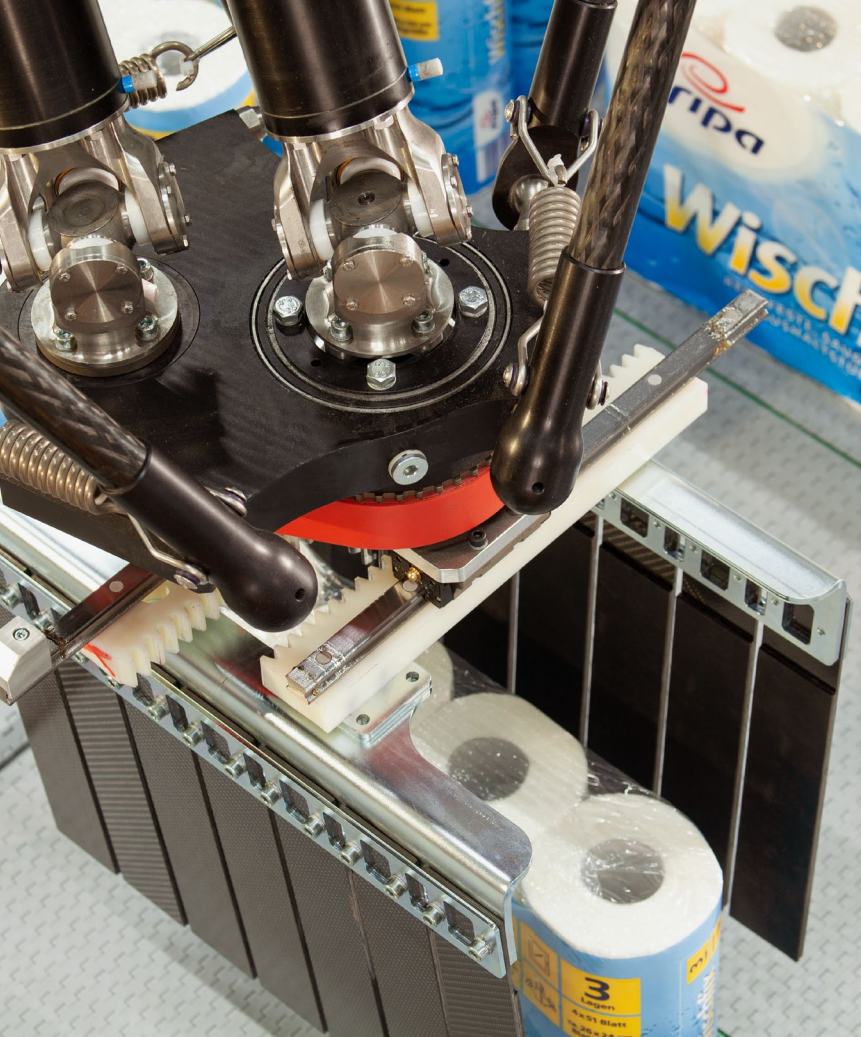
Overall, the PA15 is suitable for virtually all consumer products, and especially for sensitive products such as flour/sugar packets and confectionery industry products such as ice cream wafers, cookies and other fast moving consumer goods such as yogurt products.

Fast conveying
but at the same time
gentle to sensitive
products

Our most flexible palletizing solution

The highly versatile K.Handle layer palletizer PA15 offers floor-level-palletizing of a wide range of processable products and configurable layer patterns.

Its adaptable and precise handling as well as easy programming, modular design and scalability meets our customers' highest level of requirements.



One, two, three ...



K.Handle infeed station ZF72: Characterized by the delta

The delta robots of the new ZF72 enable the formation of a wide variety of layer patterns with small and/or large units.

Depending on the requirements and application, the ZF72 can be equipped or retrofitted with one to three delta robots.

Made for large and small bundles

The incoming bundles of the ZF72 are grasped and positioned by the delta robot as required, without a format pusher, thus forming a layer pattern.

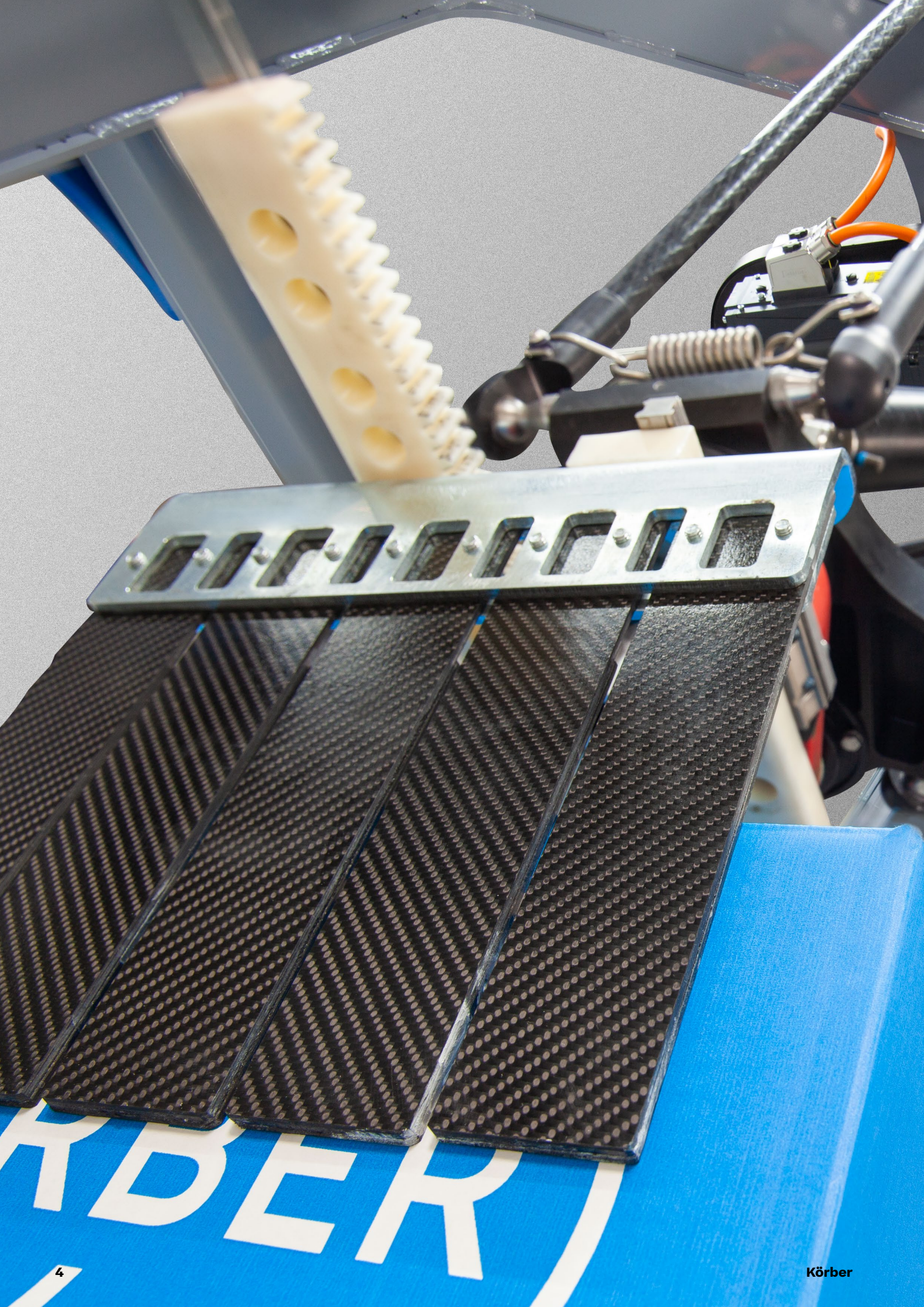
This modular design allows for a combination with any other Körber palletizer.

Since no stops or pushers are required the products are handled very gently. No pushers or stops also means that no compressed air is required to run the machine.

The perfect combination

The PA15 and the ZF72 combine flexibility, adaptability and scalability to increase productivity.

Higher performance than ever before



High throughput while maintaining pallet quality

Gripper Systems:

modular, flexible and highly specialized

A wide range of different grippers allows palletizing of almost any product type.

The grippers are specially designed for different product shapes and formats. They also have a modular design, and assembly or changeover is simple and fast.

Due to these short changeover times Körber palletizing solutions based on PA15 and ZF72 are particularly suitable for processing a wide variety of products one after the other - even in large quantities.

The modular design of our gripper systems makes it easy to combine them with a variety of palletizing solutions, especially the K.Handle robot palletizers AR500, LR03, PRO03 and PRO04



“Accuracy, efficiency, strategy, strength and speed in focus.”

Enrico Pes

CEO, Körber Supply Chain Automation Eisenberg GmbH

Thanks to the perfect interaction of the K.Handle infeed station ZF72 with the K.Handle layer palletizer PA15, the products and rows are continuously transported instead of being pushed.

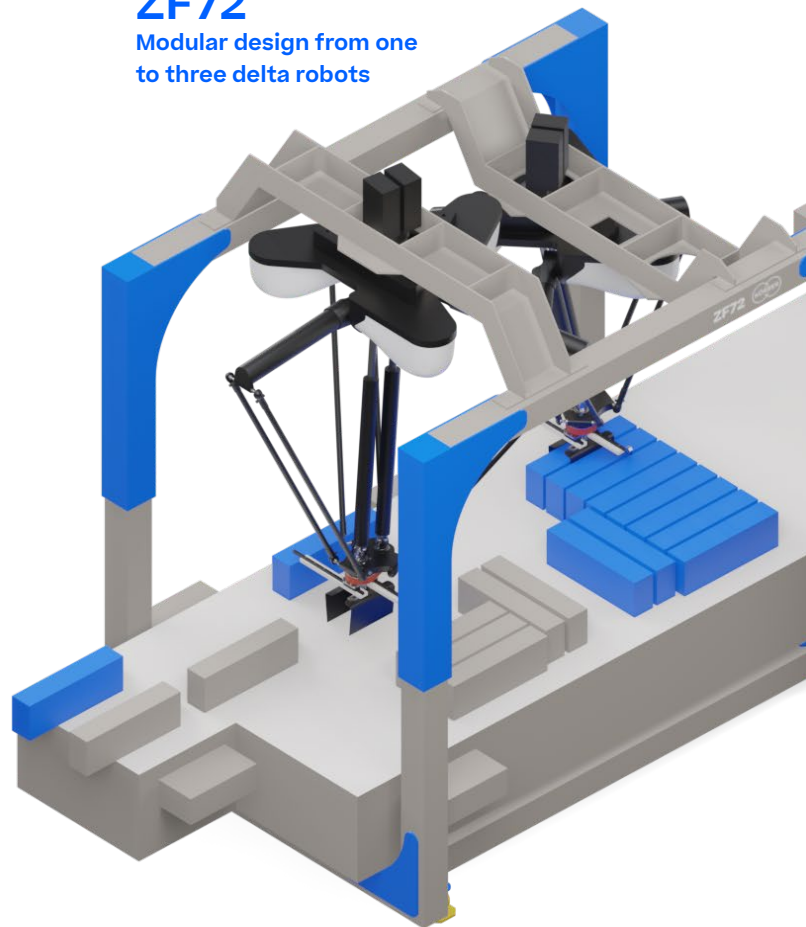
The grouping system upstream of the palletizer with its delta robots can pick and place individual products in any desired arrangement, thereby achieving the highest possible configuration flexibility in pallet formation.

The grouped units are brought to the designated height and position by the placement belt. During placement the compression secures the respective layer while gently aligning and compacting.

During the palletizing process, the K.Handle paper inserter AN18 can place interleaves of either cardboard or paper on the pallet layers.

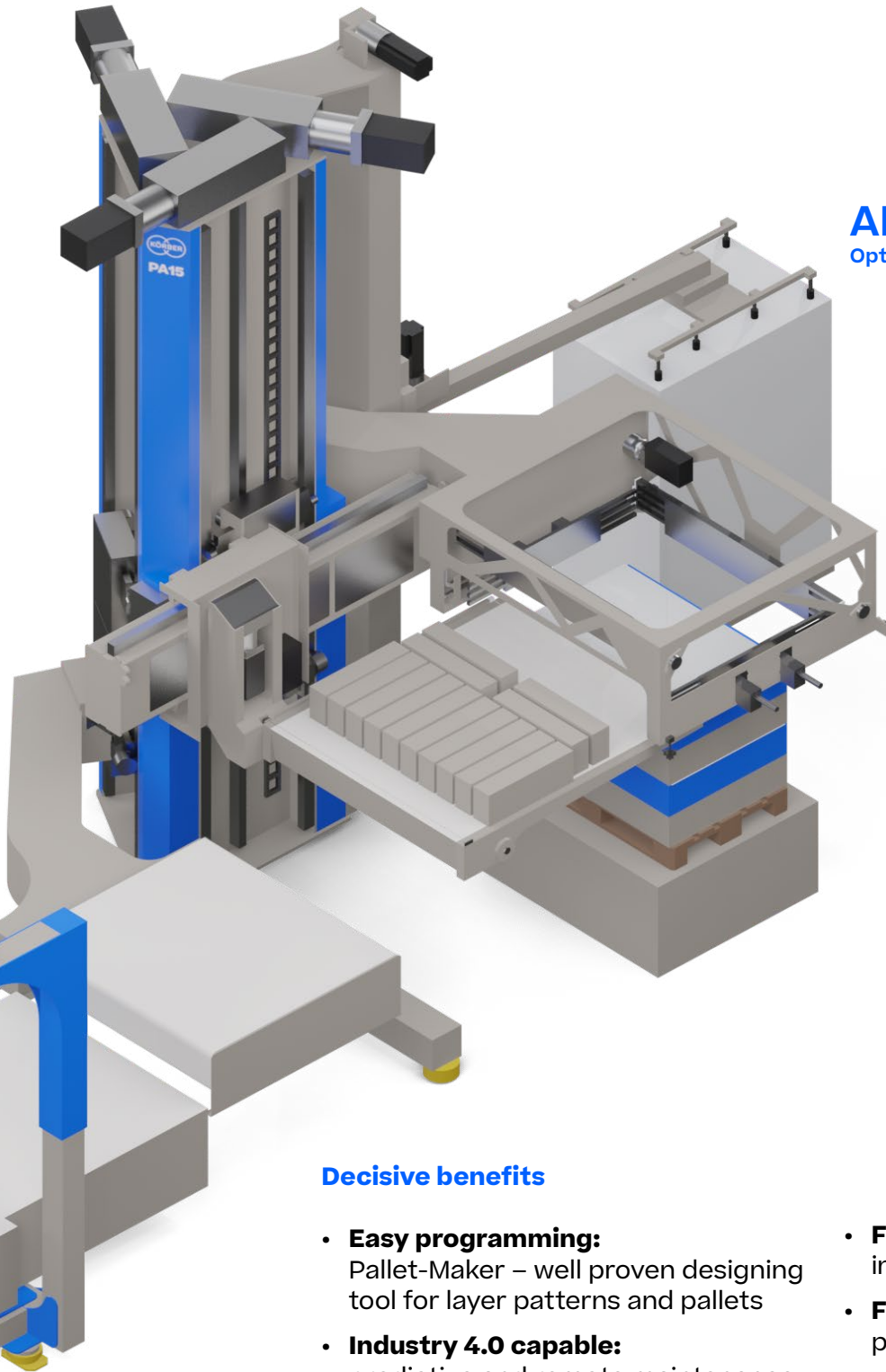
ZF72

Modular design from one to three delta robots



PA15

Scalability from one to three axes

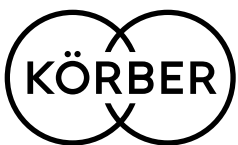


AN18

Option for interleaves

Decisive benefits

- **Easy programming:**
Pallet-Maker – well proven designing tool for layer patterns and pallets
- **Industry 4.0 capable:**
predictive and remote maintenance
- **Our most flexible palletizing solution:**
wide range of processable products and configurable layer patterns
- **Less space required:**
smaller footprint and minimum control cabinet size make for optimal integration into existing production lines
- **Floor-level-palletizing:**
infeeds from various heights possible
- **Four-sided compression:**
precisely aligned layer formation
- **Gentle product palletizing:**
conveying instead of pushing, placement belt without grouping or format pusher resulting in continuous product flow
- **Modular design and scalability:**
adaptation to new/changed requirements always possible through extensions and upgrades



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