

WhiteTiger Power - Leap into New Possibilities!

Eisenberg, August 2019 - With their new WhiteTiger project, the automation specialist Langhammer meets customers' key requirements. This palletizing system has a modular design, is fast and - with the palletizer PA15 as "WhiteTiger Power" – also able to very gently palletize sensitive products. See it for the first ever live in action at the FachPack 2019.

A pioneering product: "With the launch of the WhiteTiger project, we are taking palletizing systems to the next level," says Langhammer CEO Enrico Pes. With this project, the company developed a palletizing basic machine, the PA15 palletizer, with matching infeed systems, ones that can arrange a wide variety of products very gently into pallet layer patterns. In combination they offer a whole range of decisive benefits.

Space-Saving, Gentle on Products, Modular - and Always Expandable

One of the benefits of the PA15 palletizer is its small footprint, thanks to the single-column palletizing setup. Palletizing in the conveying direction is more compact and narrower. The minimized size of the control cabinet allows for optimal integration into existing production lines. "It also fits into tight spots," says Pes.

The PA15's modular system makes it ideally suitable for meeting space challenges of all kinds. Floor-level palletizing with infeeds from different heights is possible. In addition, the modular design allows the customer to adapt to changing requirements. For example, with a modular system in 3 performance categories, different types of positioning belts and the interchangeability of all components. In this way customers can respond to new performance needs much more flexibly.

However, the really outstanding feature is the way bundles are handled. "Conveying instead of pushing" - that is the principle involved. The system does not push product rows or layers, but rather "slides" them. Like a cake server, the belt slides under the bundles, and brings them to their destination, where they are gently brought into position - and withdraws just as gently. This product-friendly palletizing is carried out by a positioning belt with a very small idler diameter - group or format pushers are not required - thus ensuring a smooth, continuous product flow. This makes the system ideally suitable for delicate products that could be damaged when pushed (such as flour bags or paper rolls), and reduces product damage and equipment malfunctions during the palletizing process. Furthermore, the upstream grouping system can grasp individual products and arrange them in any order. This ensures flexibility in creating layer patterns – i.e. the arrangement of the products on the pallets. "For example, kitchen towel bundles have usually been arranged in rows and then combined to form a layer. Now products are grasped individually, resulting in the highest possible configuration flexibility in pallet formation," says Pes.

Trend Towards Less and Lighter Packaging

"In addition to intuitive operation and maintenance, this aspect is becoming increasingly important," says Pes. The reason being that customers are relying more and more on less and lighter packaging, not least for ecological reasons. "This is a trend

that is only just beginning globally," says Pes. "In Germany, we are already way ahead with product-friendly handling." Worldwide, things look different. "In the USA, for example, bathroom tissue is sometimes still sold in cardboard boxes. But the new trend will certainly take over there as well. Not least because German discounters are gaining a foothold in the USA and environmental awareness is on the increase." Not only are packaging costs reduced thereby, but also the CO2 emissions that result during their production.

Customer requirements were key drives for Langhammer early on. "We included customer requirements during the development process and coordinated the essential steps with reference customers," says Pes. Product tests have been carried out on the first systems since 2018. Since June 2019 the basic machine and the first system for layer formation have been released for sale. Potential customers can experience the new PA15 palletizer from the WhiteTiger project for the first time at the FachPack in Nuremberg.

3D Digital Models

But visitors at the FachPack 2019 in Nuremberg will be able to see far more than the new palletizer. "With our AR-glasses (Augmented Reality) we simulate a walk through a production hall. In this hall we can replace a large machine with a smaller one or arrange things individually. In this way the customer experiences how the system can fit into the production hall."

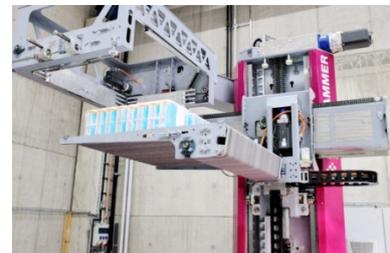
"As of yet this AR technology is only intended for presentation purposes," says Pes. "But digital twins of all the products in the program are already being developed. For example, employees can be trained using these 3D models - even before the machine itself has been built. A service APP based on AR is also being developed." Pes is certain: "With the WhiteTiger, we stand out from the competition."

Captions:

1)
Our Most Flexible Palletizing Solution:
highest possible configuration flexibility of pallet layers/layout and variety of processable products

2)
Modular Design and Scalability:
adaptation to new/changed requirements always possible through extensions and upgrades

3)
Enrico Pes came up with WhiteTiger project name. "The nose and tongue color of the White Tiger and its blue eyes reflect the brand colors of our business area," he says. "In addition, the White Tiger is not commonplace and among land animals one of the most successful hunters ever."



About Langhammer

Langhammer GmbH, headquartered in Eisenberg/Rhineland-Palatinate (Germany), is a leading supplier of transport and palletizing systems. The company specializes in production logistics. Langhammer's particular strengths lie in the modular design of their units in the areas of palletizing, pallet transport, and consumer goods handling technology. The portfolio includes individual customer-specific automation solutions for various industries. These include first and foremost the paper, tissue, and baked goods industries but also the food, chemical, and cosmetics industries. Langhammer maintains facilities and offices in Germany and the USA. The company belongs to the Business Unit Product Solutions and is part of the Business Area Logistics Systems belonging to the international technology group Körber.

About Körber Logistics-Systems

The Business Area Logistics Systems, belonging to the international technology group Körber and based in Bad Nauheim, Hessen (Germany), is the leading provider of fully integrated applications for the optimization of complex internal and external logistics processes. Under the umbrella brand Körber Logistics, the Business Area provides digital solutions for the smart factory (production logistics), the warehouse, distribution center, e-commerce, and management of the entire supply chain. In three Business Units, the umbrella brand unites the companies Aberle GmbH and Consoveyo S.A. (System Integration), Langhammer GmbH and Riantics A/S (Product Solutions), Aberle Software GmbH, Cirrus Logistics, DMLogic, HighJump, Inconso GmbH and Voiteq (Software). They offer an extensive range of products and services, from system integration to technologies for storage, palletizing, de-palletizing and conveyor systems, through to software.

About Körber

Körber AG is the holding company of an international technology group with around 10,000 employees worldwide. The Group unites technologically leading companies with more than 100 production, service and sales locations. Körber combines the advantages of a globally represented organization with the strengths of highly specialized and flexible medium-sized companies that offer their customers solutions, products and services in the Business Areas Körber Digital, Logistics Systems, Pharma Systems, Tissue and Tobacco.

Press contact:

Langhammer GmbH
Siemensstraße 2
D-67304 Eisenberg
Tel. +49 6351 80840
Fax +49 6351 8084180
marketing@langhammer.de
www.langhammer.de