



MOVING TOGETHER

MOTUS 
HANDLING



ABOUT US



Motus Handling, moving together.

Approach

Motus Handling's goal is to optimise the supply chain of industrial companies. We provide turnkey solutions in which the design, construction and integration of your project is handled extremely professionally by a technically competent and experienced team design engineers. We take pride in our innovative and flexible approach.

History

Motus Handling arose from the former company Constructions Espeel, that was founded in 1954. In 2009, Constructions Espeel was renamed to

Motushapes Group. The division Motus Handling was able to further develop as a specialist in handling systems for internal transport in industrial companies.

In 2013, Motus Handling was incorporated within the Valtech Group. Motus Handling now operates as an independent subsidiary, whilst remaining as an independant business but at the same time benefitting from the stability and synergy of being part of the Valtech Group.



Just in time transport system for pre-assembled automotive parts



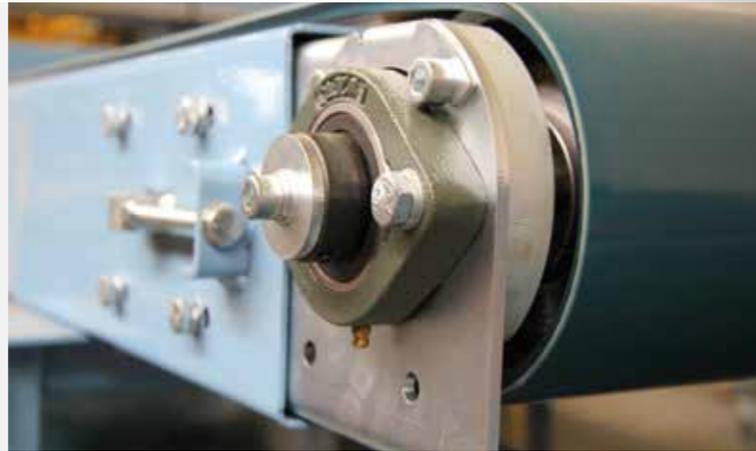
On every skid (work piece carrier), there is a pre-assembled unique part for the automotive industry. The transport system buffers 36 skids (2 layers), to be automatically loaded in a trailer all at once. The 36 skids need to be ready every 17 minutes, and in the correct order. All the drives are redundant for a quick restart time.

› *Roller conveyors with integrated vertical transport*





Our added value lies in our extensive expertise and through a wide-ranging integrated approach.



✓ *Suction cups*



Panel stacking and transit system

The panels ($\pm 2 \times 2$ m) are aligned and subsequently placed on a stack, alone or in pairs, by means of a stacker (cycle time = 8s). The upper stack level is held at a constant height during stacking. Infeed of an empty pallet and outfeed of a full one, is done simultaneously with chain conveyors.

✓ *Track with guiding wheel*





Pallet transport to production and automated warehouse

- The supply is realised by the use of:
- link belts, integrated in a pit and strong enough to carry electric cars (2.5 tons)
 - stacking and de-stacking devices with forks (cycle time 18 seconds, load 650 kg)
 - pallet cranes (speed 150 m/min) with telescopic forks to place pallets (1250 kg) in a rack at 2 metre depth.

◀ *Pallet crane with telescopic forks*



Buffer tower

Vertical buffer within a production line for panels (mainly insulation) with a vertical speed of 10 m/min.

▶ *Vertical buffer*





Belt conveyors for parcels and bags



This project is one of the largest in size. It includes the conveyor belts (up to 120 m/min) and the accessories for the logistics of parcels and bags in an airport.

◀ Transport ◀ Slide for bags



Pallet control

Defective pallets can cause problems in an automated environment. This system checks fork passage, broken slats, and presence of blocks... Any reject is recorded in a log. Approved pallets are labeled with a unique barcode, that is linked to the system. With a capacity of 350 pallets/hour, this system can be integrated within the flow, or it can be operated as a standalone machine.



We create solutions that optimise the flow of goods within an industrial environment.

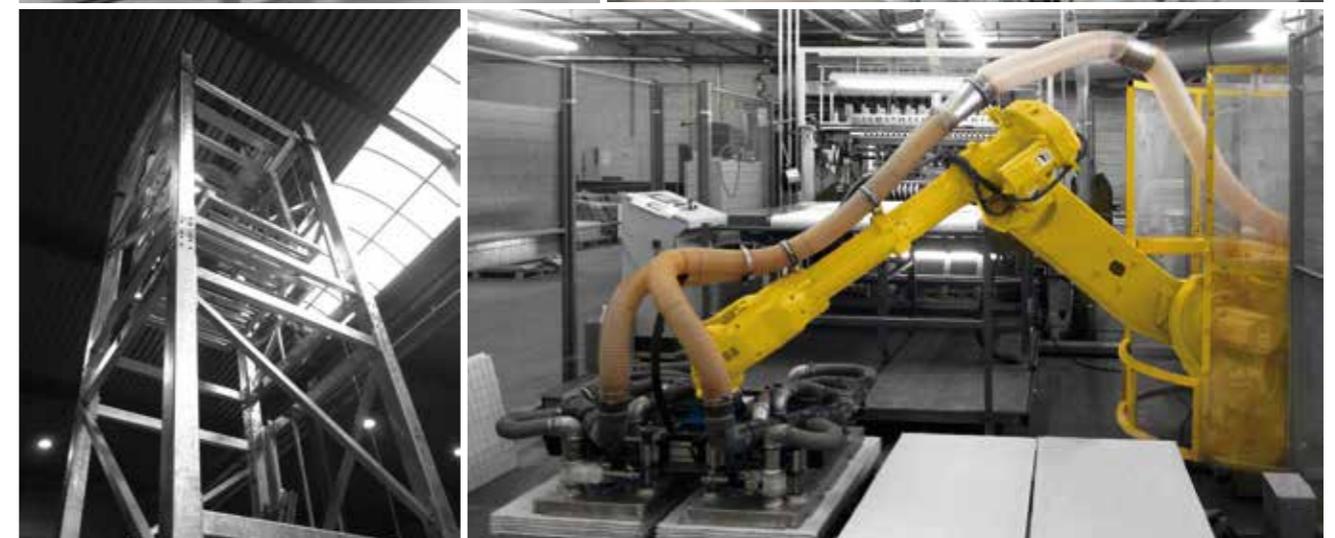


✓ Slat control





Some examples of the solutions we have provided ...



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VALTECH GROUP

MOTUS HANDLING

Design, construction and integration of solutions for material handling

www.motushandling.be

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Containers and compactors for transport and storage of waste materials

www.valvan-containers.com

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