

LIFTS **ALL** AIRPORT HANDLING SOLUTIONS

est. 1981



ERGONOMICS THROUGH INNOVATION

BACKGROUND - WHY DO WE NEED LIFTING TOOLS?

Lifting, carrying, pushing and pulling on a repetitive basis have always caused harm to workers in the transport and logistics sector, especially for baggage handlers.

- Forty percent of all employees think they can continue working if they do work that is less physically demanding, says Marga Zuurbier, Director of the Dutch Labour Inspection.

Are You Avoiding Weights Over 3 kg/6.6 lbs?

According to the Swedish Labour Department and its AFS 1998:1, which applies to the EU directives, all lifts by hand over 15 kg/33 lbs shall be avoided - but they also address a warning for weights over 3 kg/6.6 lbs under certain circumstances. Such circumstances are lifting awkward objects that are lifted with a bent or twisted back, or with hands below knee height or raised above shoulders.

- Repetitive actions that are too heavy can cause hernia or even fractures, says Marga Zuurbier.

EU Demands on Working Environment

The European Council's directive 90/269/EEG states that if the demand of manual loading cannot be avoided, the employer shall create organizational changes or make sure that the employees have such lifting aids to his or her disposal, that the risks with manual loading are reduced. This has not always been easy in the field of baggage handling and especially not for container loading. There simply haven't been any good products available.



Small hints and tips from a physiotherapist-educated trainer can make a big difference for a baggage handler who is learning how to work with new lifting tools.

DEVELOPMENT - A LIFTS ALL SPECIALTY

Lifts All have 20 years of experience from developing lifting tools for various industries. One of them is the demanding car industry with customers such as Volvo, BMW and Scania. Through the years we have gathered knowledge to develop unique standard products suitable for airport baggage handling: Basic, CLS, CUS and - the latest addition: SPEED-Loader. All of them are adaptable for existing environments and fulfill the requirements of speed, durability, ergonomics and energy consumption. Tailor-made complete lift solutions have always been, and still are, Lifts All's specialty. We thrive on a challenge!





A specific lifting aid for loading and unloading containers was nowhere to be found, until the Container Loading System (CLS) was developed.

SERVICES - SERVING A PURPOSE IN THE LONG RUN

The product per se is the first step towards healthier baggage handling. The second step is getting the users to know them and benefit from them.

- It depends on the workers themselves; do they use the lifting equipment? says Marga Zuurbier, Director of the Dutch Labour Inspection.

The user easily learns how to use the CLS due to its instinctive operation. A well planned training session with a superuser or a personal trainer from Lifts All Airport Handling Solutions optimises the run-up. Surveys have shown that 95% of the handlers are happy to work with the CLS after finished training.

OUR MAIN PRODUCTS

Basic The allround lift with vacuum head and hook, for loading and unloading baggage carts and trolleys.

Container Loading System The original!
A patented lifting aid for filling containers with bags from floor to ceiling.

Container Unloading System Following in the footsteps of the CLS, for rapid unloading of baggage containers.

SPEED-Loader The newborn, electric cousin of the Container Loading System, designed for carousels.

OUR MAIN SERVICES

Installation The new owner can be sure that everything is in order, with full CE certification.

Introduction & Training A head start in how to utilise their new tools is essential for the users and their future health.

Maintenance With fit equipment comes fit baggage handling staff!

New!!



THE ALLROUND LIFT

As soon as the vacuum head lands on a surface, it is automatically engaged and ready to lift. It is possible to rotate the load as desired, thanks to the unlimited rotating vacuum head. By a distinct push with the thumb on the red release button the gripper releases the bag.

Low Cost - No Noise

Basic is pneumatically driven and only requires a few per cent of the energy that traditional vacuum lifters need. This gives a positive effect on the energy consumption as well as the environment and also makes the lift very silent.

Quick Learning - Quick Lifting

The control unit is very instinctive and easy. The handle is specially designed to suit both left and right handed users, no matter their hand size. Therefore, no modifications are needed to switch from a right handed user to a left handed user.

Safety First

Basic is a safe lifting tool. It never allows lifting if the vacuum level is below 40% and will not release the bag until the user pushes the release button.

basic

GENERAL DATA

Max load: 35 kg or 50 kg
Lift height: 1,5 m (standard)
Rotation of vacuum head:
Endless
Noise level - soft bags: 55 dB
Noise level - hard bags: 0 dB
Lifting from/to: Open trolleys

ENERGY DATA

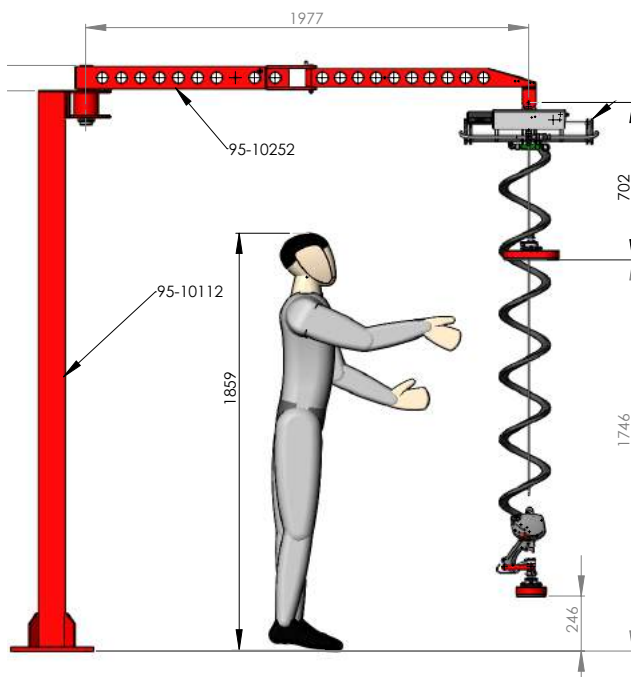
Media: Compressed air
(6-7 bar)
Energy consumption:
Contact us for an energy savings calculation based on your conditions, free of charge!





“There’s an app for that lifting tool...”

Basic is multifaceted and can lift just about anything thanks to the hook that always included. The quick connection allows the user to adjust the unit in just a few seconds to suit different objects’ sizes and materials, such as sacks, carton boxes or even empty pallets!



THE SMOOTH JIB CRANE

FlexiCrane is exceptionally flexible in comparison to other lightweight articulated jib cranes, thanks to its own low weight and the ball bearing double joints. FlexiCrane is also available in a mobile version, moveable with only a pallet lifter. Together with the allround lift Basic, lifting can’t get any easier!

flexicrane

GENERAL DATA

Max load: 65 kg
Range: 4 meters
Rotation: Endless
Media: Compressed air
(6-7 bar)

MOUNTING WAYS

- Floor
- Wall
- Ceiling
- Mobile
- Overhead rail system



LOADING FROM BOTTOM TO TOP

Successful tests have shown that the baggage handler easily learns how to use the CLS, due to its instinctive way. The CLS works great on both hard and soft luggage; which can easily be moved from the conveyor belt into the container, where it's smoothly placed with exact precision, in the most space efficient way. The heavy lifts are, with the CLS, simply a memory.

Customised Solutions

The installation of the CLS is simple. It can be mounted in rails in the ceiling or on the ground, depending on your wishes and the assigned work area.

Lifts Anything - Into Anything

The CLS can easily be adapted for postal bags or carton boxes, just to mention a few other objects. Different types of carts or containers are not a problem.



CONTAINER LOADING SYSTEM

CLS DATA

Max load: 40 kg
Load speed: 10 bags/min.
Media: Compr. air 6-7 bar

Lifting to: Containers/carts
Patented solution: Yes



EMPTY CONTAINERS IN NO TIME

The CUS is a development of the CLS, optimised for unloading baggage from containers. Emptying a container is now even easier with the extended telescoping table, which is adjustable up to five degrees leaning angle. The user sets the operating table at the desired height, gives the bag a slight push and the bag quickly slides over the board and down to the conveyor belt. Manual lifting and carrying is no longer necessary. Three seconds is all it takes to move a bag from container to lateral.



CONTAINER UNLOADING SYSTEM

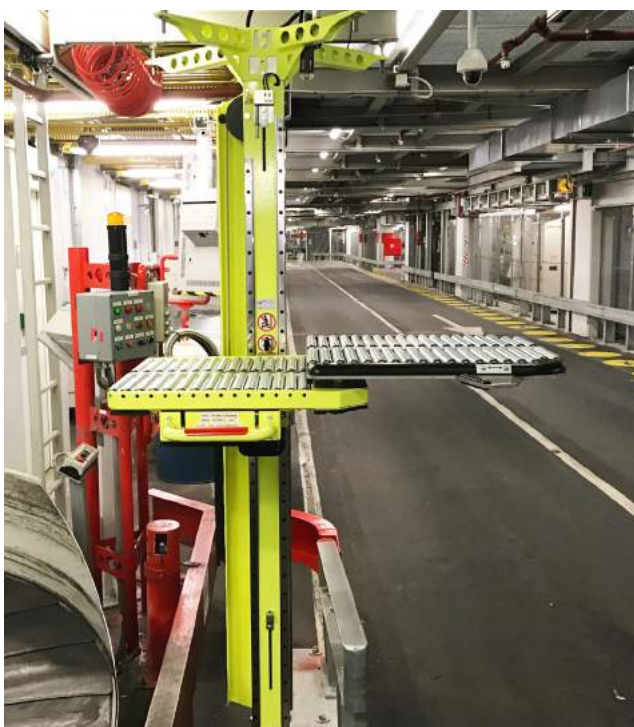
CUS DATA

Max load: 40 kg

Unload speed: 20 bags/min.

Media: Compr. air 6-7 bar

Lifting from: Containers



New!



SPEED-LOADER - INTELLIGENT LIFTING

SPEED-Loader is a light, electrically driven lifting aid with excellent, intuitive manoeuvring controls. The articulated arm combined with the telescopic module results in phenomenal reach inside the ULD, covering all corners from top to bottom.

Motorbike Action

To activate the SPEED-Loader, simply put your hand on one of the two handlebars. An infrared photocell will sense your hand and the SPEED-Loader is instantly ready to react on your command. When you remove your hand, the handlebar is immediately deactivated. Both handles are identical and control the machine movements in the same way with proportional speed, like the handle of a motorbike. However only one handle can be active at any given time, and that is the one that's first activated. You can easily shift between the handles without any delay.

Safe Parking

The telescopic module is attached to a carriage with a shaft, which allows the module to turn 90° in relation to the carriage. Therefore, the SPEED-Loader can be parked above the carousel, away from personnel, baggage and vehicles.

SPEED-LOADER DATA

Max load: 40 kg

Load speed: 10 bags/min.

Lifting from: Carousels

Lifting to: Containers/trolleys

Patent: Pending

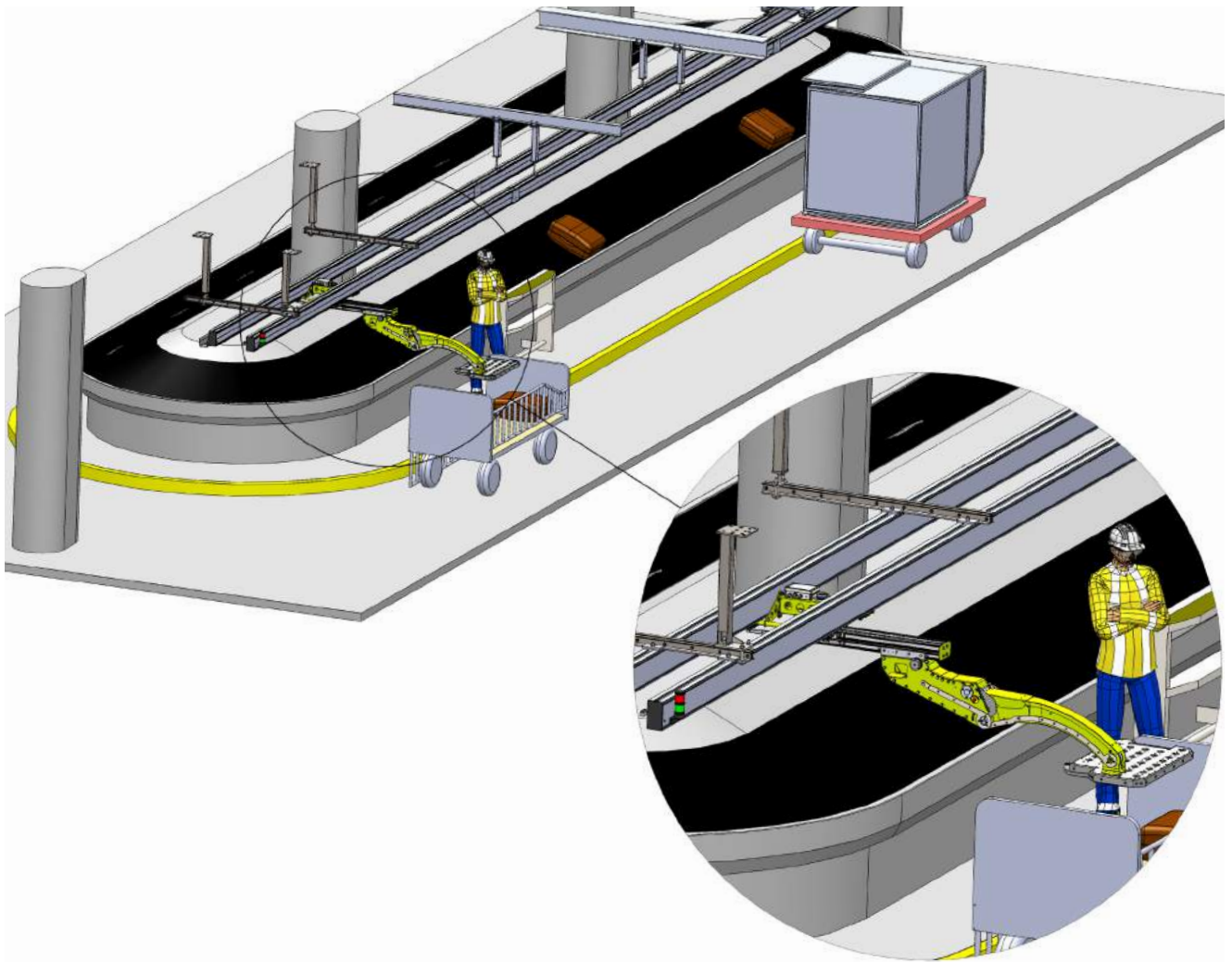
Power supply: Any standard wall outlet or 3-phase socket

Power consumption:

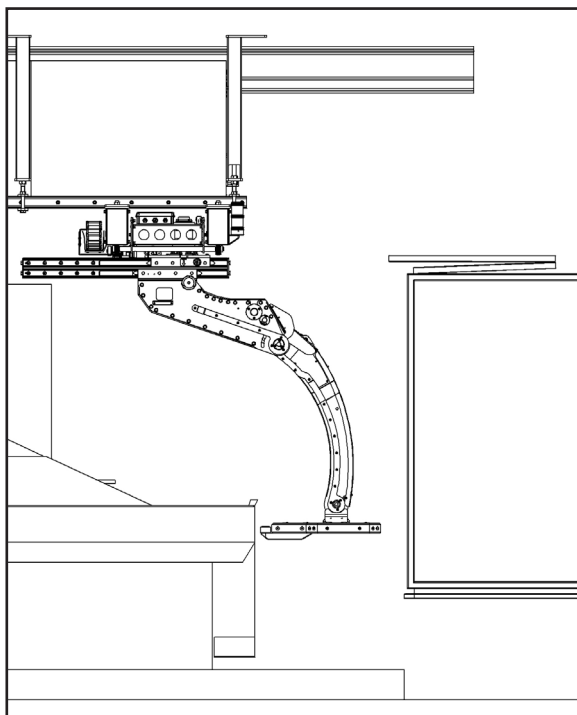
<5 W during sleep mode

<300 W during continuous operation

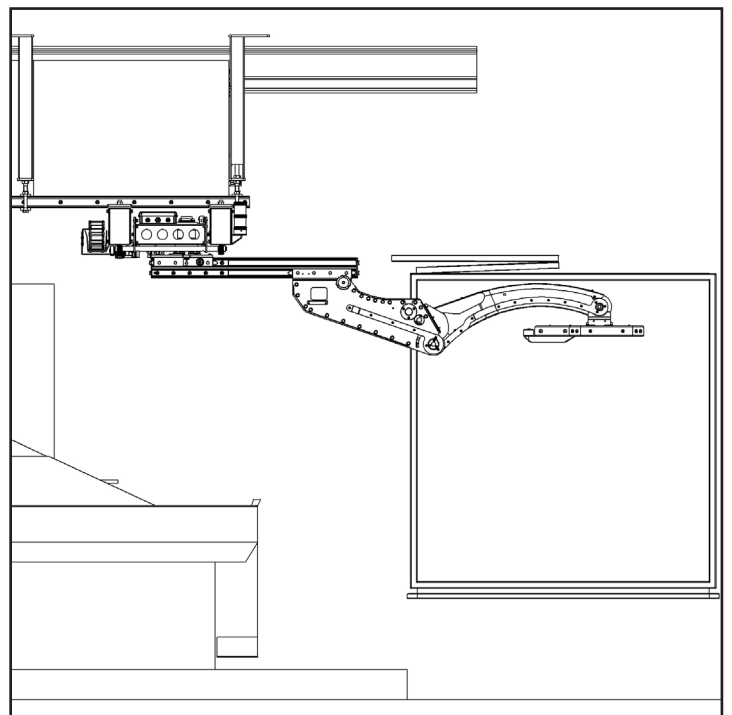


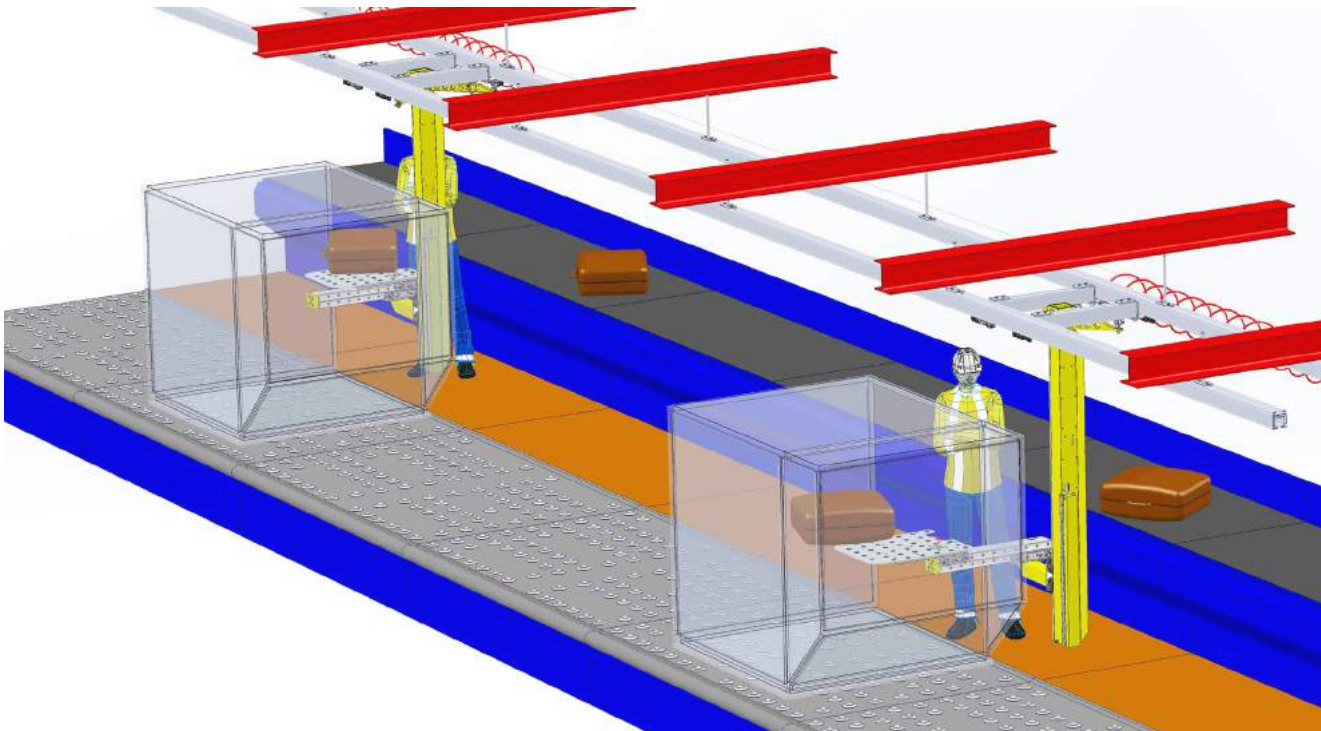


READY TO LOAD



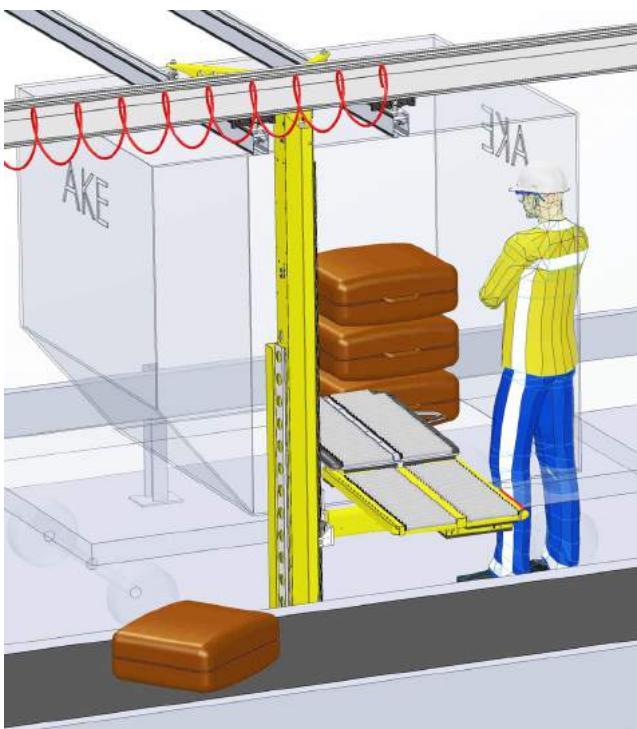
REACHING INTO ALL CORNERS





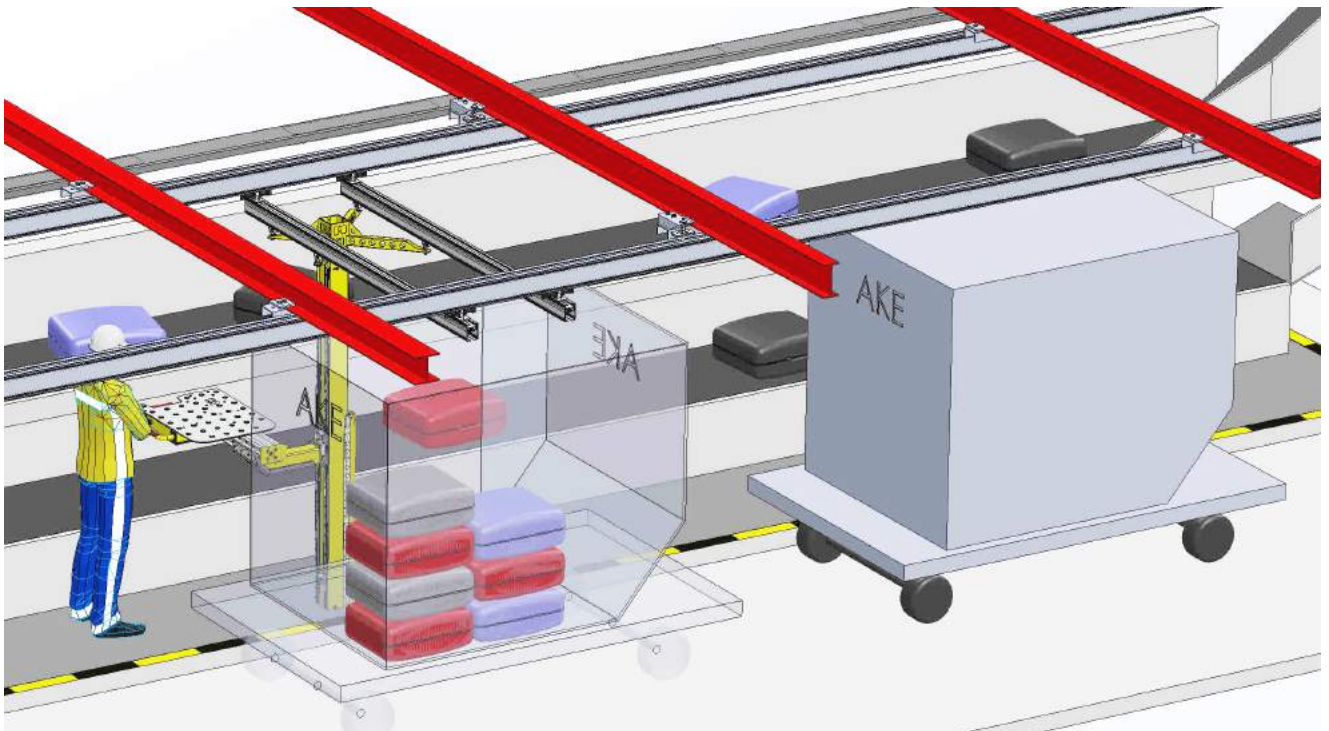
CASE 1: LOADING FROM MOVING LATERAL TO CONTAINERS

Loading from a moving lateral to different containers with the same CLS. The handler is standing on a platform and the containers are placed on roller deck tables.



CASE 2: UNLOADING TO MOVING LATERAL

A CUS utilized on a train of six containers. The handler is rapidly unloading onto a lowbuilt moving lateral.

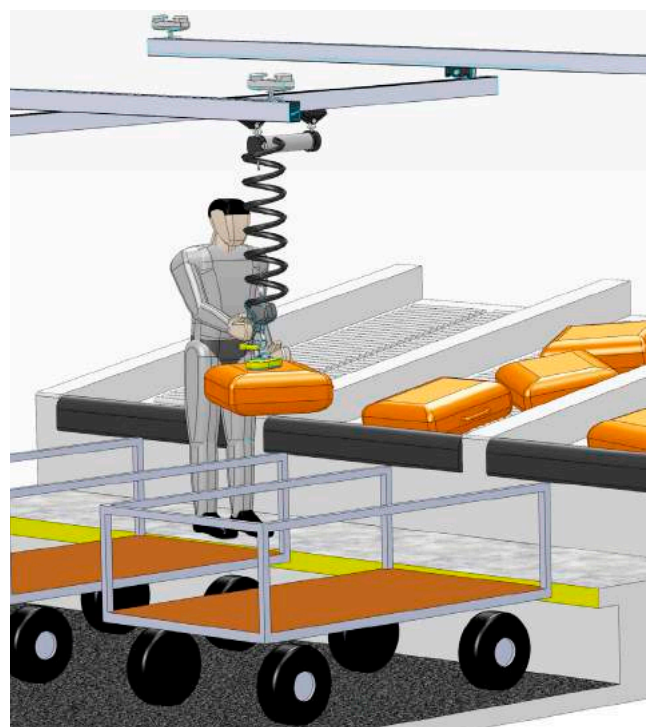


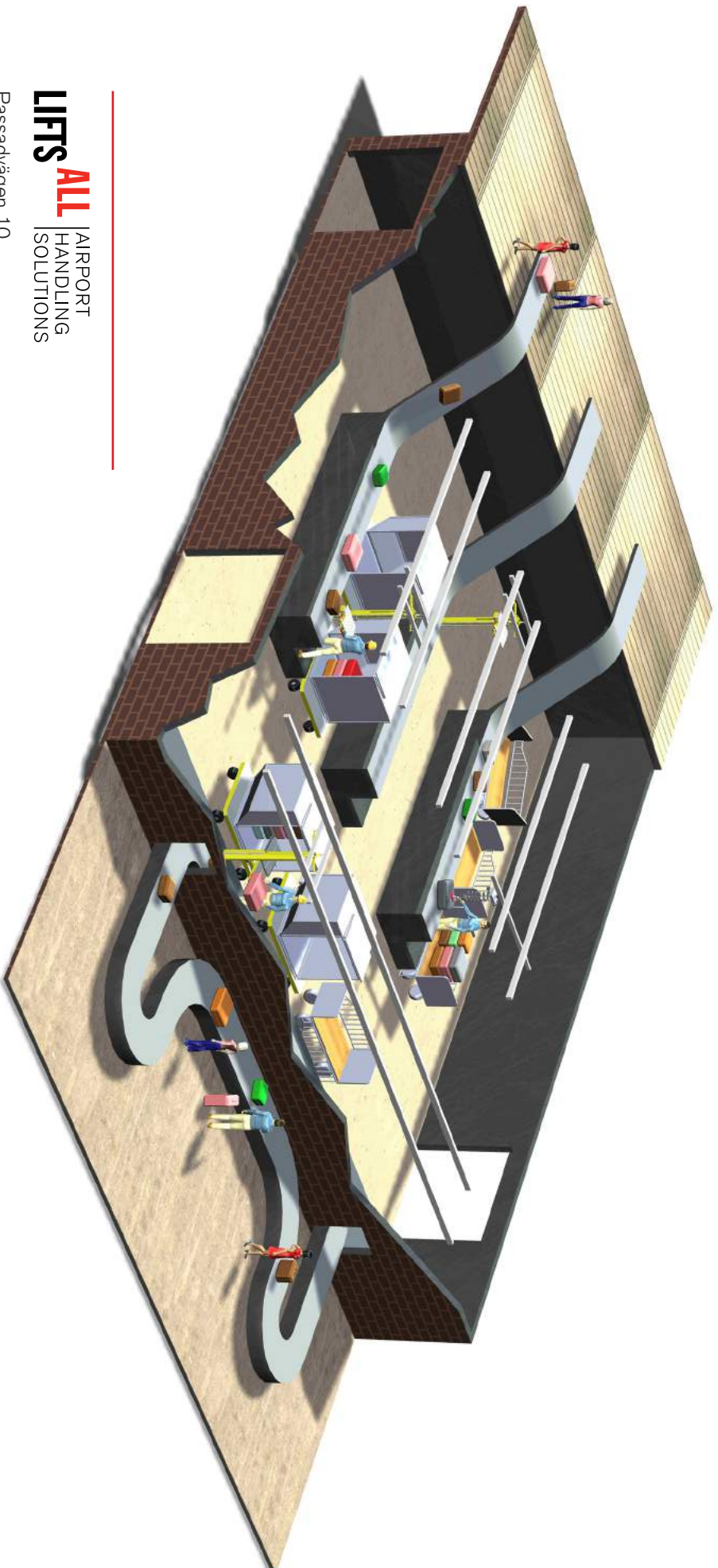
CASE 3: LOADING FROM HIGH AND LOW LATERAL INTO CONTAINERS

The CLS is versatile and quick. The height of the operating table is as always easily adjusted and can be used for loading from both high and low laterals into different containers.

CASE 4: LOADING FROM CHUTES TO TROLLEYS

Basic - for loading and unloading carts. Works well in low headroom areas. The picture shows trolleys being loaded from chutes.





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