

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, a former Director at Labour Inspections in the Netherlands.

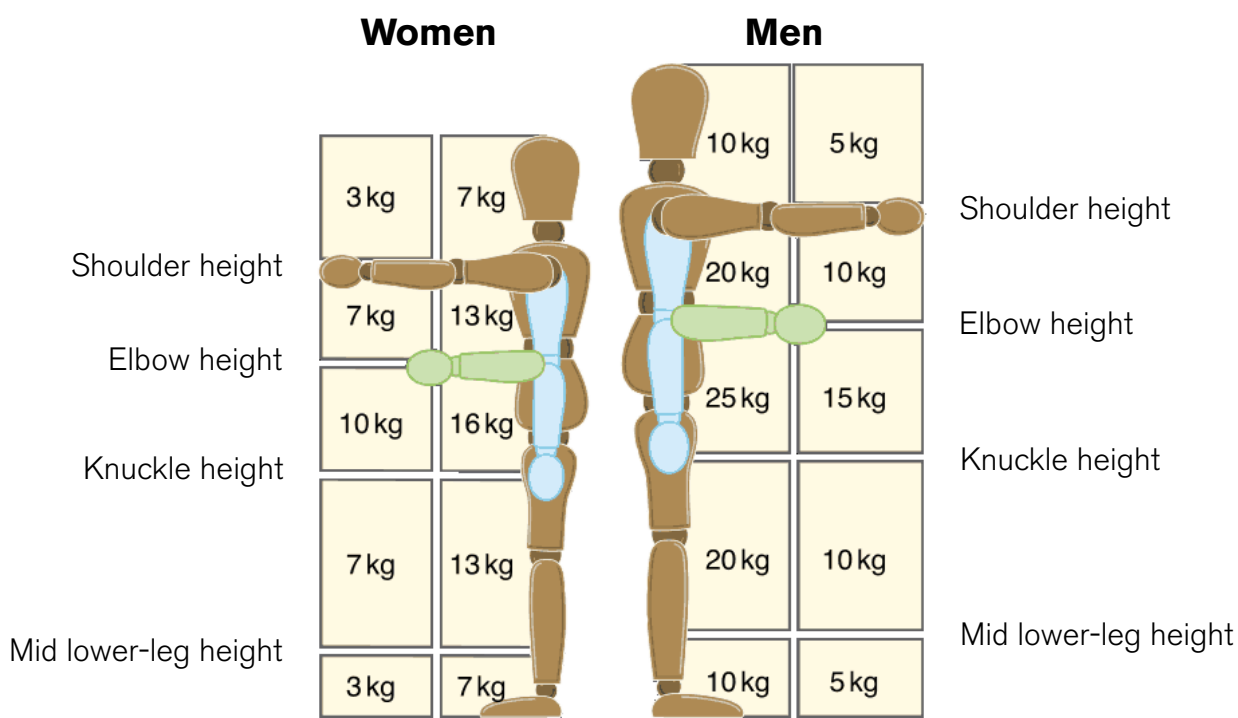
Do you avoid lifting over 3 kg/6.6 lbs?

A baggage handler lifts about 5 tons everyday. According to the Swedish Labour Department and the Swedish standard AFS 1998:1, which applies to EU directives, all manual lifting over 15 kg/33 lbs should be avoided (safe manual-lifting guidelines are illustrated at the bottom of this page). The authorities also warn against unsafe lifting of weights above 3 kg/6.6 lbs, such as lifting objects with a bent or twisted back, from below the knees or up above the 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 manual loading cannot be avoided, the employer shall create organisational 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 weren't any good products available – until Lifts All began product development a few years ago.



DEVELOPMENT – A LIFTS ALL SPECIALITY

Lifts All has 20 years of experience in developing and producing lifting tools for various industries. One of these is the demanding car industry, comprising of customers such as Volvo, BMW and Scania. Through the years, we have garnered knowledge and developed unique standard products suitable for airport baggage handling – the Basic, CLS and CUS. All of these are adapted for existing environments and fulfil the requirements of speed, durability, ergonomics and energy consumption. Tailor-made complete lifting solutions have always been, and still are, Lifts All's speciality. We thrive on challenges!



TRAINING – SERVING A PURPOSE IN THE LONG RUN

The first step towards healthier baggage handling is acquiring the lifting tool. The second step is getting the baggage handlers to know the tool and to benefit from it.

"It depends on the workers themselves; do they use the lifting equipment?" says Marga Zuurbier.

The CLS has been designed to aid baggage handlers in a most natural way, taking into account the way baggage needs to flow – in and out of carts, trolleys, laterals, etc. – and how the human body moves in this action. A well-planned training session with a super-user or a personal trainer from Lifts All Airport Handling Solutions optimises the user's willingness to work with the CLS. Surveys have shown that 95% of the handlers are happy to work with the CLS after completing the training session.



Hints and tips from a physiotherapist-educated trainer can make a big difference for someone who is learning how to use new lifting tools.

OUR MAIN PRODUCTS

Basic The all-round 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.

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 the new tools is essential for the users and their health.

Maintenance With fit equipment comes fit baggage handling staff!



THE ALL-ROUND LIFT

As soon as the vacuum head lands on a bag it automatically engages and is ready to lift. The load can then be rotated as desired. And, by a single push of the thumb on the red release button, the gripper will release the bag.

Low Cost. No Noise.

Basic is pneumatically driven and only consumes a small percent of the energy that traditional vacuum lifters need. This results in a positive effect on energy consumption as well as the environment. It also makes the lift very quiet compared to traditional vacuum lifters.

Quick Learning. Quick Lifting.

The control unit is easy to use. The handle is specially designed to suit both left and right-handed users, regardless of hand size. 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 will not lift if the vacuum level is below 40%, and will not release a suspended bag until the user pushes the release button.

basic

GENERAL DATA

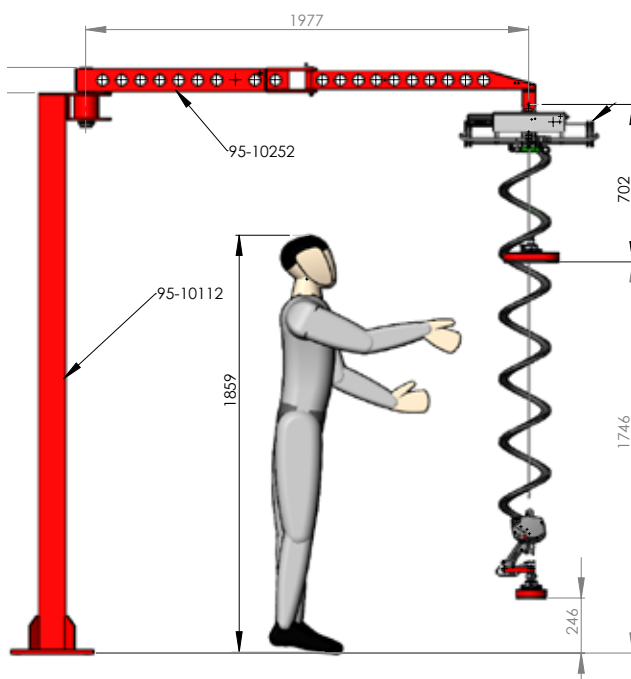
Max load: 35 kg or 50 kg
Lift height: 1.5 m (standard)
Rotation of vacuum head:
Endless
Noise level - soft bags: 55 dB
Noise level - hard bags: 0 dB
Lifting from/to: Open trolleys

ENERGY DATA

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



Watch Basic live from
Stockholm Arlanda airport
on [YouTube.com/LiftsAll!](https://www.youtube.com/LiftsAll!)



THE SMOOTH JIB CRANE

FlexiCrane – popular in security departments – is exceptionally flexible in comparison to other lightweight articulated jib cranes, thanks to its own low weight and its ball-bearing double joints with friction breaks. FlexiCrane is also available in a mobile version, moveable by pallet lifter. Together with the all-round 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

NEWS!!!



CONTAINER LOADING SYSTEM

CLS DATA

Max load: 50 kg
Load speed: 10 bags/min.
Max speed vertically: 0.4 m/s
Media: electricity 230 V
Lifting into: Containers/carts

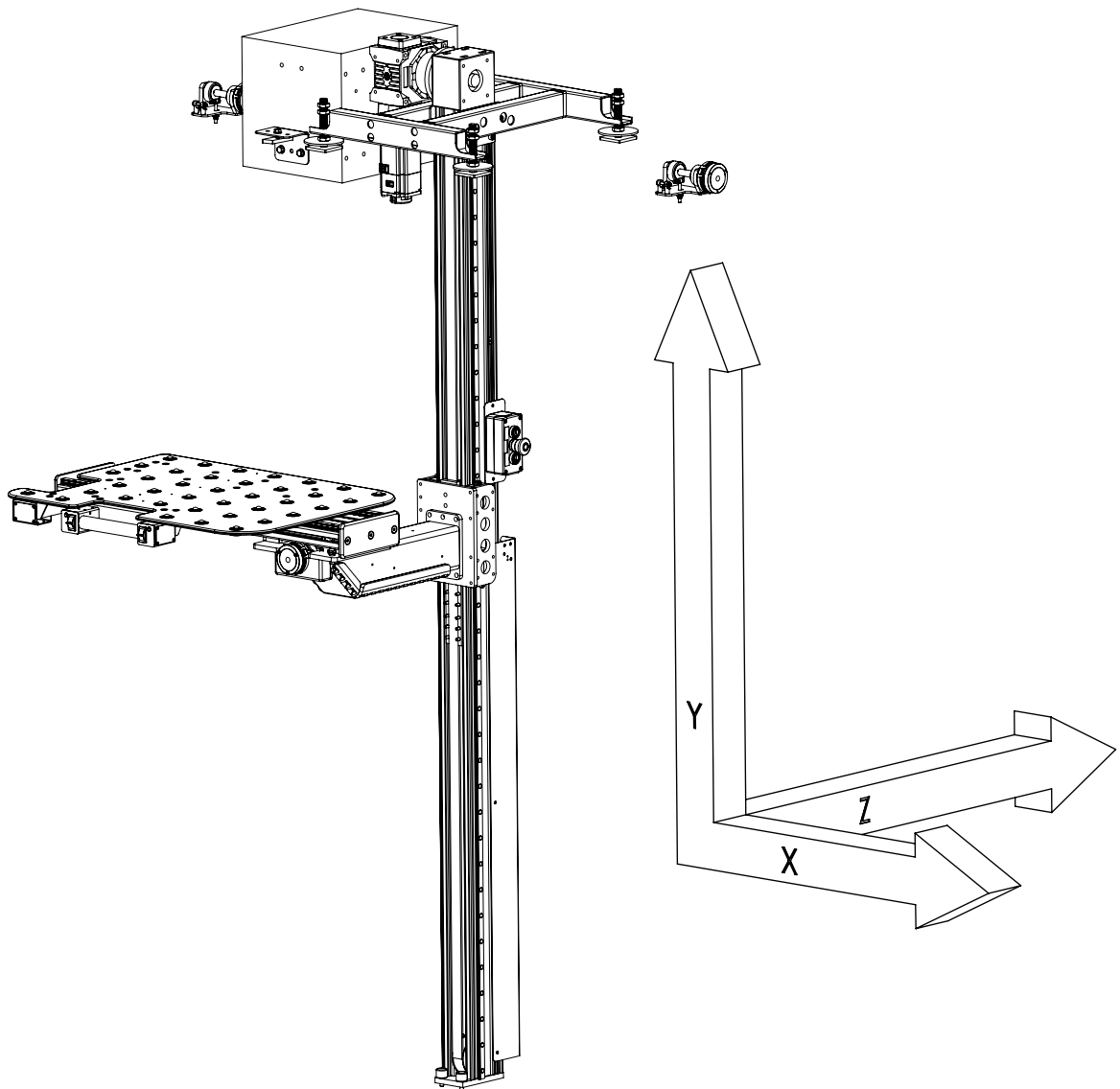


Same job, different solutions

CLS-e

We have redesigned the CLS (our fantastic baggage lifting aid) and made it more awesome! Lifts All is proud to present its latest innovation, the CLS-e.

The “-e” is for ‘electric’ as this new CLS is powered by electricity. There has been great demand from our airport customers around the world for an electrical solution. Many do not have access to compressed air. In response to them, we designed and built the new CLS-e – the perfect electric lifting aid for your specific baggage-lifting needs.



CLS-e DIMENSIONS

Lifting height Y (electric): 1970 mm
 Horiz. telescoping X (manual): 1150 mm
 Horiz. moving Z (manual): Specific to rail system length
 Roller table size: 750 x 570 mm
 Overall height: 2380 mm



Watch CLS live from
Schiphol Amsterdam airport!
[YouTube.com/LiftsAll](https://www.youtube.com/LiftsAll)

LOADING FROM BOTTOM TO TOP

A specific lifting aid for loading and unloading containers was nonexistent until the Container Loading System (CLS) was developed by Lifts All. The CLS works well with both hard and soft bags, easily moving them from the conveyor belt into the container, where they are guided into place with exact precision and in the most space-efficient way. Tests have shown that baggage handlers easily learn how to use the CLS because of the way it has been designed to move with the body – designed for your instincts. With the CLS, heavy lifting is a thing of the past.

Customised Solutions

Installing the CLS is simple. It can be mounted on rails on the ceiling or on the floor, depending on the assigned work area.

Lifts Anything, Into Anything

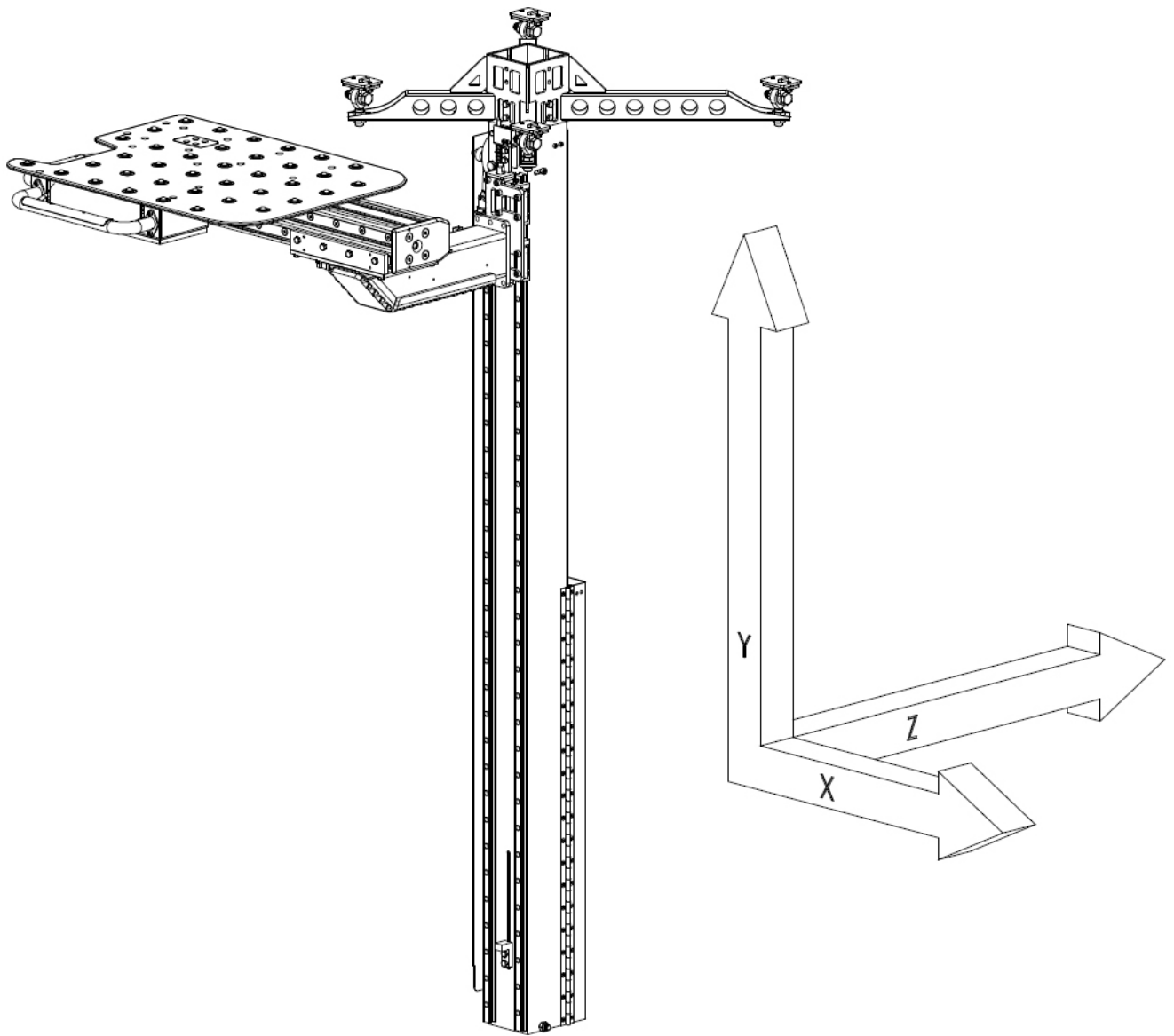
No matter what type of load, the CLS can easily be adapted for it, from postal bags to carton boxes. Different carts and containers are no issue.



CONTAINER LOADING SYSTEM

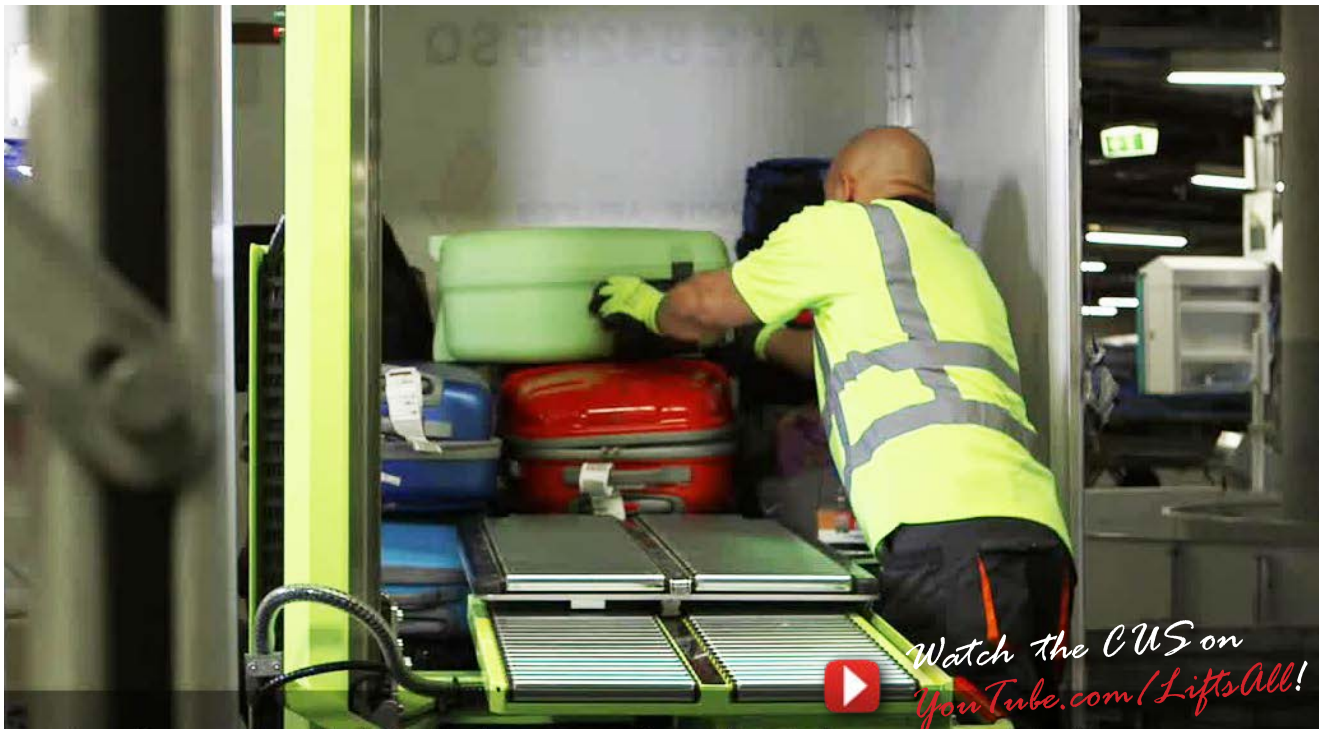
CLS DATA

Max load: 50 kg
Load speed: 10 bags/min.
Max speed vertically: 0.4 m/s
Media: Compr. air 6-7 bar
Lifting into: Containers/carts



CLS DIMENSIONS

Lifting height Y (pneumatic): 1700 mm
 Horiz. telescoping X (manual): 1130 mm
 Horiz. moving Z (manual): Specific to rail system length
 Roller-table size: 750 x 570 mm
 Overall height: 2200 mm or 2400 mm



EMPTY CONTAINERS IN NO TIME

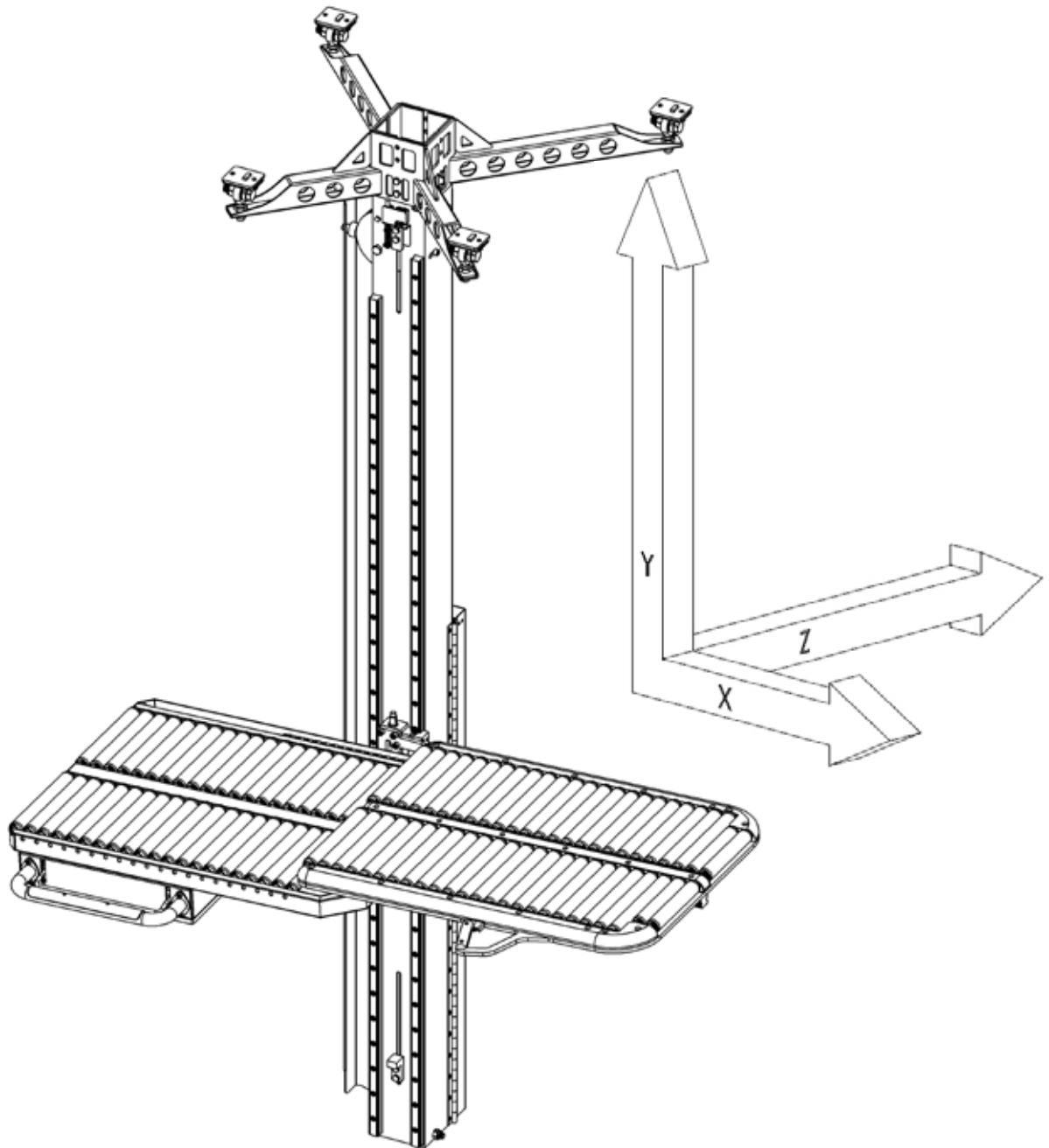
The CUS is a follow-up from the CLS, optimised for unloading baggage from containers. Emptying a container is now even easier with the extended telescopic table, which has an adjustable leaning angle of up to five degrees. The user sets the operating table at the desired height, gives the bag a slight 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: 50 kg
 Unload speed: 20 bags/min.
 Max speed vertically: 0.4 m/s
 Media: Compr. air 6-7 bar
 Lifting out of: Containers



CUS DIMENSIONS

Lifting height Y (pneumatic): 1840 mm
 Horiz. telescoping X (manual): 670 mm
 Horiz. moving Z (manual): Specific to rail system length
 Roller-table size: 800 x 608 mm
 Overall height: 2200 mm or 2400 mm



PRODUCT DEVELOPMENT

Lifts All is a company at the cutting edge of technological developments in material handling. We strive to be at the forefront of the industry, exceeding expectations, testing limits and pushing boundaries beyond industry norms. No one knows lifting tools like we do, and as our customers will attest, nobody does it better.

CLS Launcher

It gives us great pleasure and pride to present our latest and most exclusive innovation, the CLS Launcher - a special-edition, electric CLS with a trick up its sleeves!

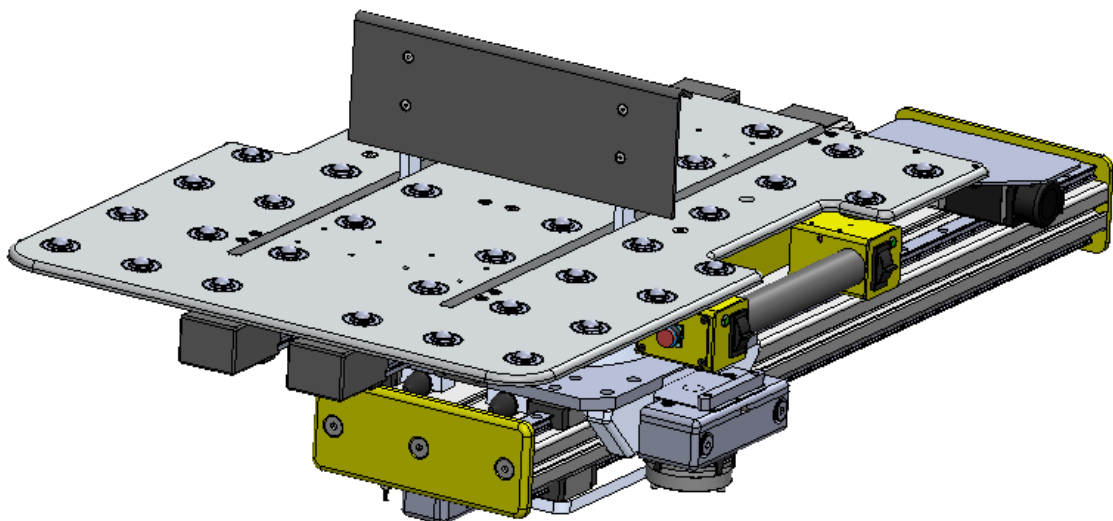
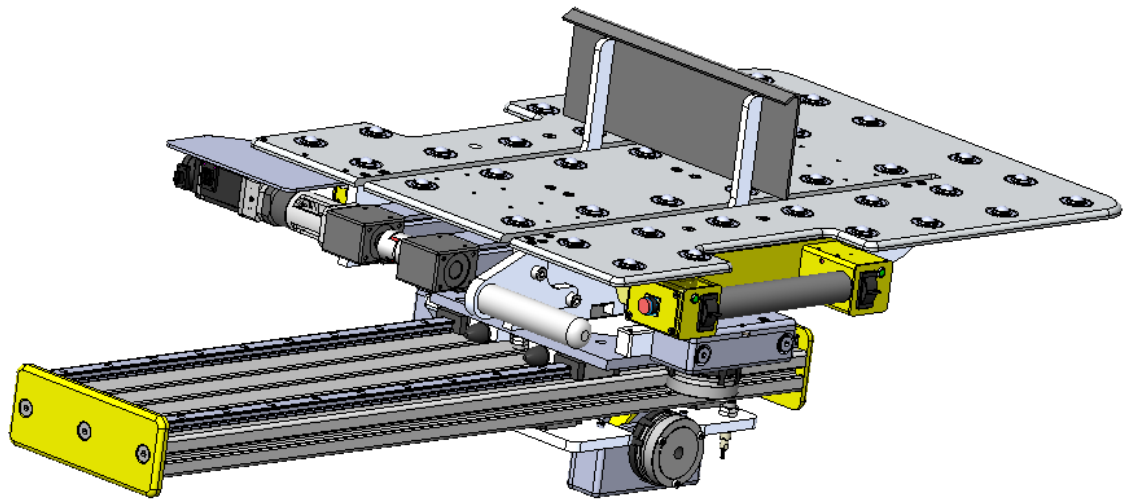
Just press the ergonomically-placed buttons and the CLS Launcher will push the baggage off the telescopic table by itself. Quick and easy, with minimum effort, baggage up to 50 kg can now be moved and precision-placed in a container, in no time.

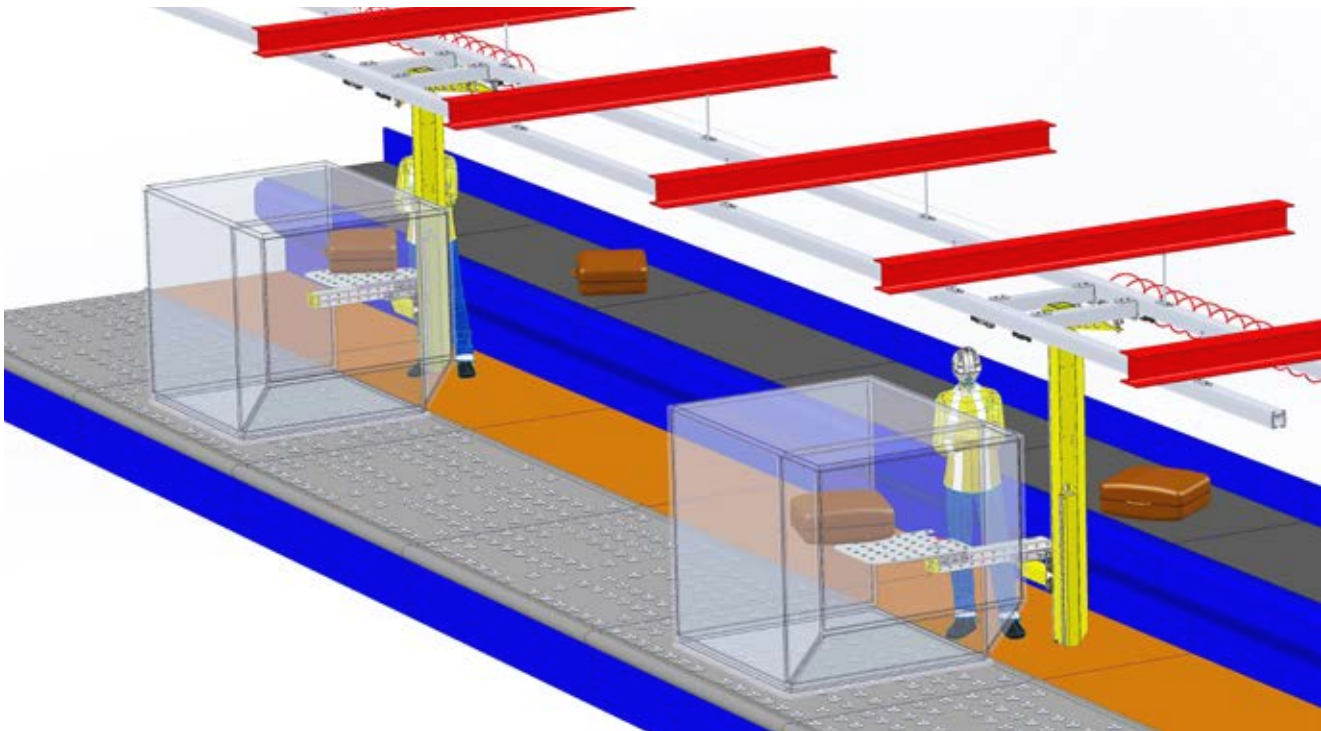


CONTAINER LOADING SYSTEM

CLS LAUNCHER DATA

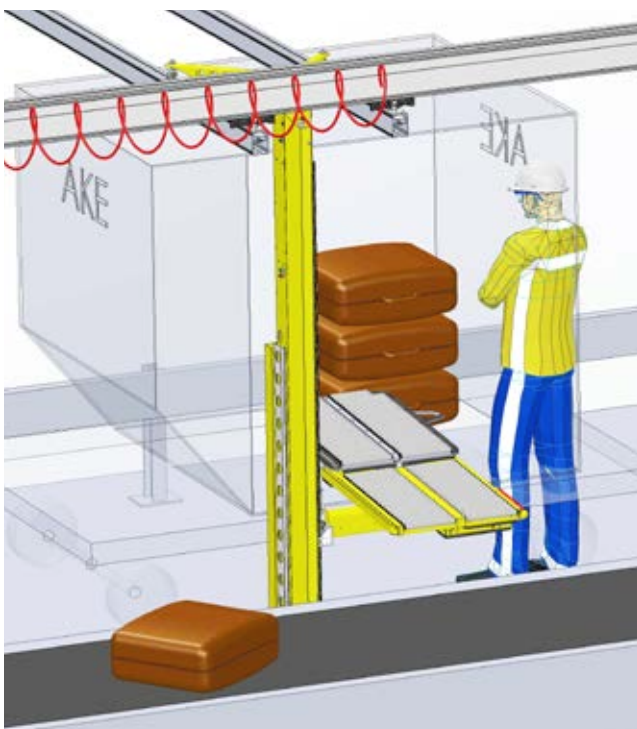
Max load: 50 kg
Load speed: 10 bags/min.
Max speed vertically: 0.4 m/s
Media: electricity 230 V
Lifting into: Containers/carts





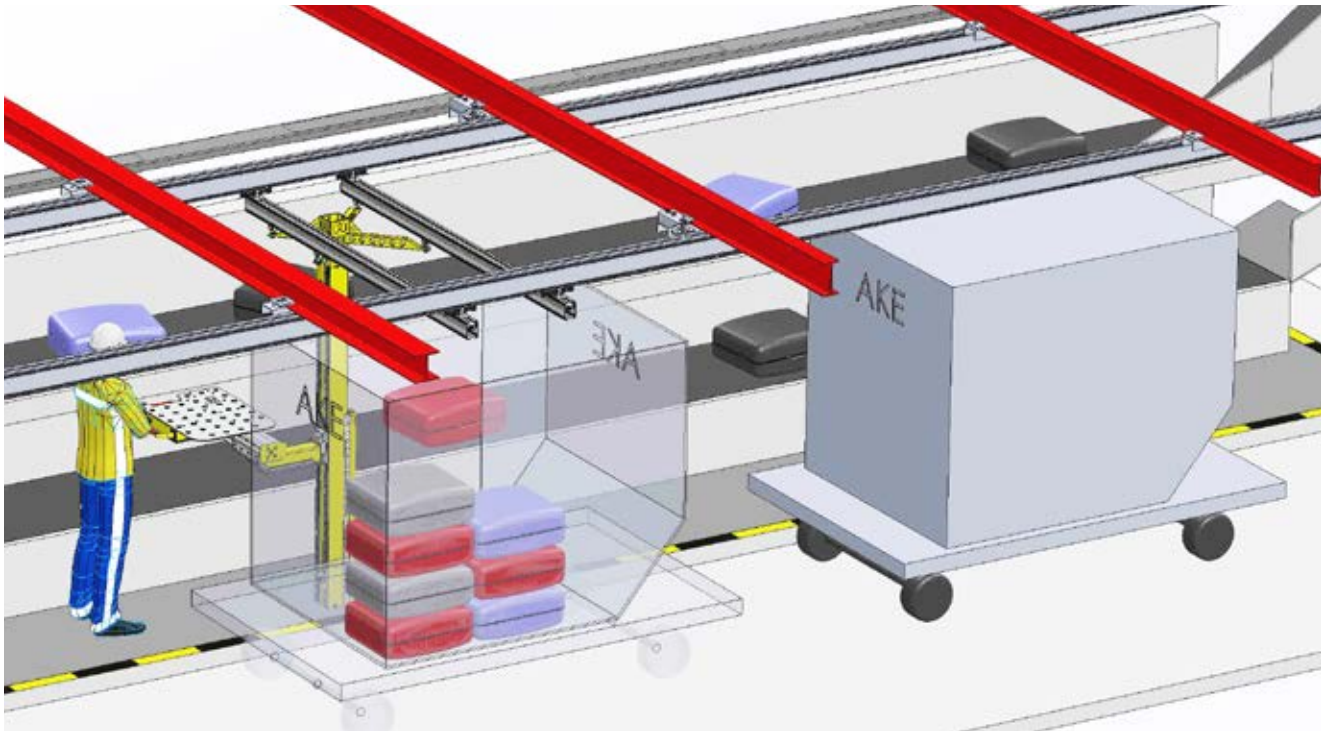
CASE 1: LOADING FROM MOVING LATERAL INTO CONTAINERS

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



CASE 2: UNLOADING ONTO MOVING LATERAL

A CUS utilized on a train of six containers. The handler rapidly unloads onto a low-built moving lateral.

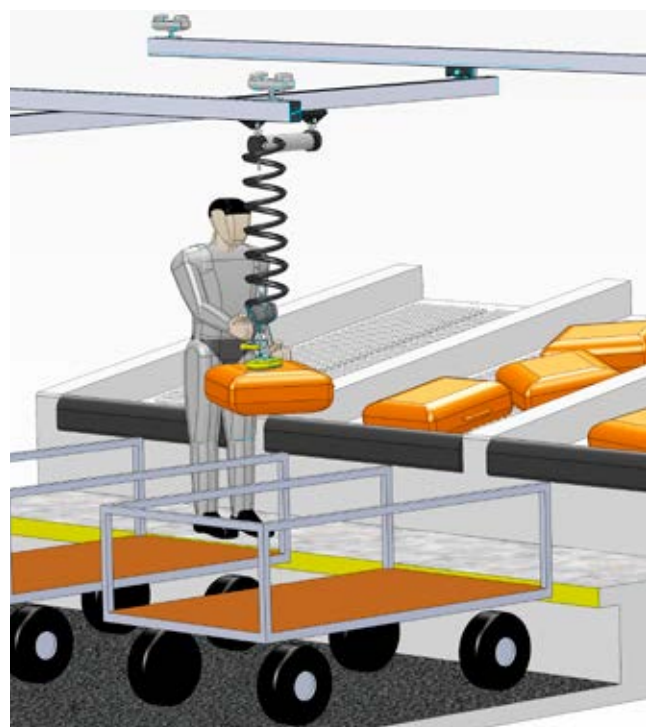


CASE 3: LOADING FROM HIGH AND LOW LATERALS INTO CONTAINERS

The CLS is versatile and quick. The height of the operating table is, as always, easily adjustable 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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