



STAINLESS STEEL

HIGHEST QUALITY STAINLESS STEEL



DESIGN, CONSTRUCTION AND CLEANING

CUSTOMISED

STAINLESS PRODUCTS

KEY SKETCHES

The best quality stainless steel products on the market!

Quality can never be a compromise - we value our customers' preference for our stainless steel products very much, and we are determined to deliver same high quality every time

Stainless steel products operate in different environments and must meet different requirements from our customers.

The nature of your environment determines which features and specifications your stainless steel equipment should have.

No matter what product you are looking for, we always offer the **best design** and **highest quality** on the market.

See our detailed specifications on page 9 for further information about levels and constructions of our stainless steels products. Our stainless steel products have a **long operating** life and are **easy to maintain**.

These are very valued features for our customers, as the investment pays back quickly and you can access the spare parts easily and provide onsite maintenance.

The **compact construction** of the products makes them easy to operate and manoeuvre in confined areas. Hence, you get powerful, reliable and efficient equipment that does not take up a lot of space. If you have special requests, we also **customise** our solutions to match your specific situation.

In this brochure you will find information about different versions of stainless steel equipment - your choice of product should always be based on your specific situation and requirements.



Smooth
electropolished
surfaces

Option for
pharma finish

Highest quality
acid-resistant
AISI 316L steel
for fork chassis

Closed design
for easy cleaning
and to avoid bacterial
contamination

Oil for low operation
temperatures

Compact constructions

Constructed
specifically to
meet high hygienic
standards



White tandem wheels for
a high level of hygiene

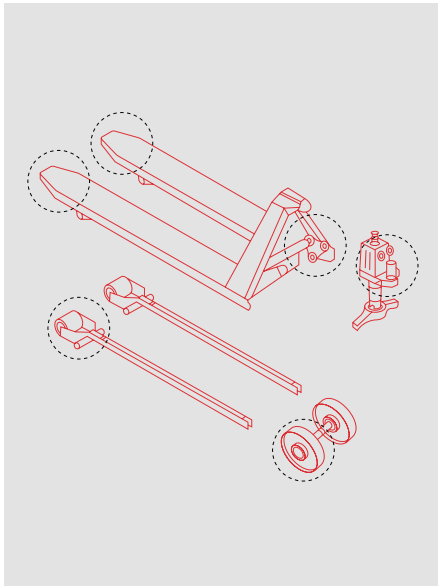


Elegant design with rounded
corners and closed forks to protect
surroundings and operator



Waterproof stainless
steel cover

Stainless steel



The design



Cleaning



Pharma finish

The design

A good hygienic design minimises the risk of growth and contamination of micro-organisms.

Therefore, we construct our products from the bottom to meet the criteria for high hygiene, easy cleaning and easy maintenance:

- High quality stainless steel (AISI 304L/316L)
- Closed truck elements
- Smooth electropolished surfaces
- All parts are extra fastened and include a minimum of non-detectable material

Cleaning

Your working environment determines which product you need.

All our stainless steel products have smooth and shiny surfaces with no burrs or pointy elements. This ensure easy cleaning/wiping without risks for scratches and bacterial infection. In addition, there are no particles or flakes of paints on the products.

- If you need to clean the product more aggressively than by wiping it off with a cloth, you need to look for those products, which tolerates wet and aggressive environments.
- If you work in dry and sanitary environments, you only need to clean the products gently with a dry or moist cloth. All our products tolerate disinfectants and you can provide extra cleansing treatments with cleanroom disinfectant/sterilant liquids like Spor-Klenz.
- For antistatic or explosive atmospheres, you need to look for our manual explosion proof products. These are available within pallet trucks, highlifters and stackers.

Pharma finish?

When you operate in dry environments, it is crucial that you are able to keep the surroundings clean without using water or chemicals. Pharma Finish helps you to ensure a high level of cleanability and to eliminate bacterial contamination.

Pharma Finish means that we make an extra check, polish and finish of our stainless products. We have extra focus on quality, design and finish during the whole manufacturing process. This concerns both welding, deburring and polishing of all sharp and pointed parts.

When hygiene matters

"In all situations where hygiene and cleanliness are top priorities, our pharmaceutical customers always use stainless steel equipment from Logitrans - because when it comes to hygiene in highly sensitive areas,

such as the manufacture of medicines, we do not accept any compromises. Only stainless steel with fine and straight surfaces prevents settlements of micro-organisms, bacteria and viruses. The stainless steel

lifting equipment from Logitrans is robust, durable and functional. This minimises production downtime in clean rooms."

*Managing Director, Alexander Klohk,
Industriebedarf KLOHK GmbH*



Stainless steel



Rotator Inox

Rotator Inox

Our fully powered rotator in stainless steel is a perfect solution for customers working in dry environments with high hygienic standards.

The ergonomic benefits of fully powered rotation prevent unnecessary strains on the operator - the Rotator can lift and rotate large items such as crates and boxes, which allows the operator to reach the content or empty the container without stretching, bending or straining his back.

The Rotator is constructed to meet the high hygienic requirements of e.g. pharmaceutical or food processing environments, as the turning carriage, battery box, box holders and handle are made of stainless steel, whereas the chassis is chromated.



Customised stacker for a longtime customer

Customised stacker for a longtime customer

The large pharmaceutical company, CSL Behring, uses these stainless units to ensure good ergonomic working conditions for their employees.

These customised stackers with level control operate in clean rooms, where they lift pallets to a proper ergonomic working height and automatically adjust the height as they load/unload.

A valued and loyal customer since 1993.



Multi drum turner Inox

Multi drum turner Inox

A big cosmetics company in Belgium uses our stainless steel multi drum turner for emptying drums of 200 liter in very narrow spaces.

It was important for the customer that the construction was very compact and customised with shorter legs to be able to pick up the drums from the floor.

All steel elements are constructed in either AISI 304L or AISI 316L stainless steel, only exception is the cylinder, which is chromitted.

The product has all functionalities and benefits of a standard MDT.

When customisation matters

"We have chosen Logitrans products for our medicine production, because they are ergonomically correct, because they take up very little space and because Logitrans

has tailored a product for our production. The goods on the pallets are not damaged, as a special valve ensures that the forks, for example, stop quietly and precisely, it is by

far, the best we have seen on the market."

Customer in the pharmaceutical industry



Trucks for explosive atmospheres

Our **manual pallet truck, highlifter and stacker** also come in special explosion proof versions.

The manual trucks must fulfil the ATEX-directive, and they are manufactured in concordance with the ATEX directive no. 2014/34/EC and relevant standards.

The trucks are categorised in equipment group II and are suitable for areas classified

as zone 1/zone 21 (do also cover zone 2/zone 22). This means, areas in which explosive atmosphere is generated occasionally due to different gases or dust.

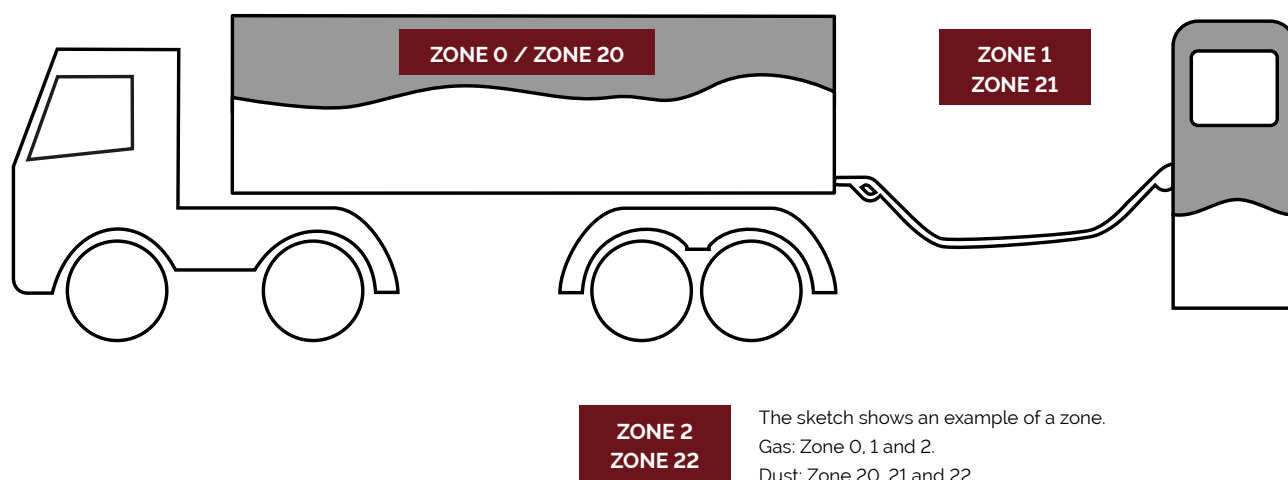
We construct the trucks in high quality stainless steel and with minimum one vulkollan anti-static wheel in order to avoid static electricity.

Logitrans solely manufactures EX stainless

trucks to be operated manually. These trucks (manual highlifter, manual stacker, manual pallet truck) are suitable for the pharmaceutical, chemical, oil, gas and painting industry.

The explosion proof trucks are characterised by the following product labels:

 **II 2G Ex h IIB T6 Gb**
 **II 2D EX h IIB T85°C Db**



Stainless steel



Panther Inox Plus (PIP)



Panther Inox (PI)



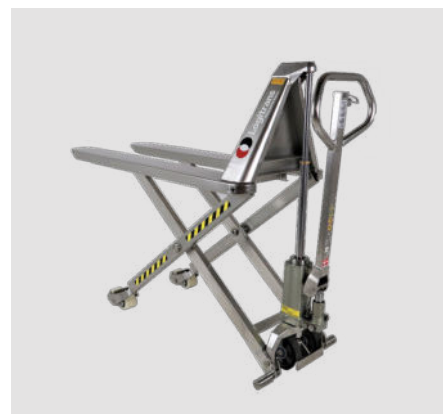
Panther Inox (explosion proof)



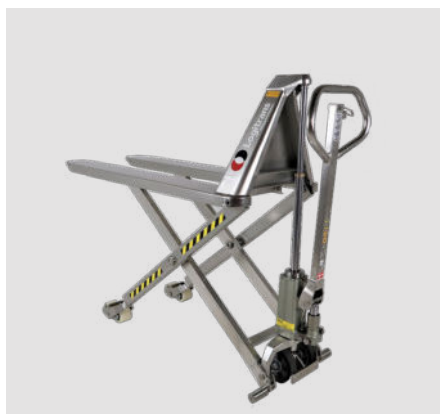
Panther Maxi Inox



Manual highlifter Inox (HLI)



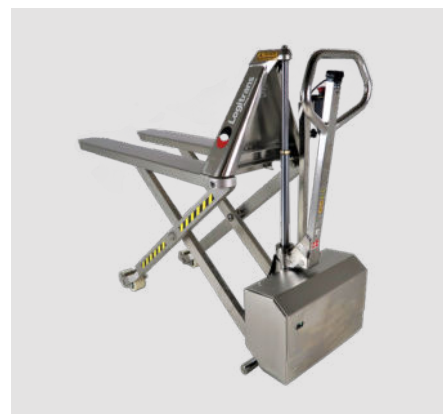
Manual highlifter Inox Plus (HLIP)



Manual highlifter Inox (explosion proof)



Electric highlifter Inox (EHLI)



Electric highlifter Inox Plus (EHLIP)

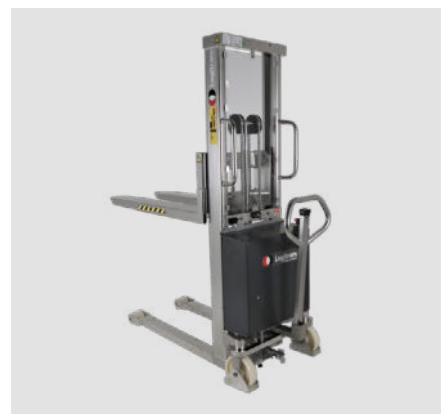
Stainless steel



Manual stacker Inox + straddle (HSI+HSSI)



Manual stacker Inox (explosion proof)



Electric stacker Inox (EHSI)



Electric stacker (EHSSI)



Fully powered stacker Inox



Logitilt Inox + straddle (LTI/LTIS)



Rotator Inox + straddle (SELFR/SELFRS 1003)



Multi Drum Turner

In which environment do you want to use the product?

Stainless steel products operate in different environments and must meet different requirements from our customers. What is your environment?

Environments	Examples industries	Logitrans products managing these environments		
Very aggressive, wet environments The product is wet due to liquid dissolutions (acid, base or brine) almost all the time. Cleaning Aggressive cleaning. Cleaning with foam (acid or base) (washing) PH in the cleaning material is much lower or much higher than 7.0	Preparation processes in Food and fish industries Slaughterhouses Dairies			
Aggressive, wet environments The product is wet and moist most of the time. Cleaning Aggressive cleaning. Cleaning with foam (acid or base) (washing). PH in the cleaning material is much lower or much higher than 7.0	Production processes in Food industry Slaughterhouses Dairies			
Clean, moist environments The product is moist only occasionally. Cleaning Gentle cleaning when wiping or washing (only forks). Neutral water (PH7), when necessary with gentle cleaning materials.	Pharmaceutical industry Food industry			
Clean, dry environments The product is dry all the time. Cleaning Cleaning the products with dry or moist cloth.	Pharmaceutical Packaging in the food industry	All Logitrans stainless products	Panther Inox, HS/EHS Inox HL/EHL Inox, Logitilt Inox Rotator Inox, Multi Drum Turner Inox Stainless fully-powered products	EHL Inox Plus HL Inox Plus
Panther Inox Plus				

Key sketches - construction and material

Our high quality stainless steel products are constructed of different parts and elements.

Not all steel parts are stainless or acid resistant material, but instead chromated. This type of surface treatment provides a protective chemical coating of chromate,

which strengthens the quality of the steel and guarantees high resistance towards water, salt or chemicals.

The colours yellow and red in the table below mark the chromated material. (Black and silver zink/iron passivation with sealer).

The drawing below is an example of our key sketches, which you can find together with the spec sheets for the individual products on our website.

						
Acid-resistant steel	Stainless steel	Zinc-iron black passivating + sealer*	Zinc-iron silver passivating + sealer*	Rubber sealed bearings	Bronze	Painted 130-150 µm
EN 14404 (AISI 316L) EN 14460 (AISI 329)	EN 14305 (AISI 303) EN 14301 (AISI 304)	Fe//ZnFeX//Fn//T2	Fe//ZnFeX//Cn//T2			

*chromated

