



AMERICA

AIRPORT EQUIPMENT



RELIABLE. INNOVATIVE. USER-FRIENDLY. SAFE.

# Catering, cleaning and medical highloader for airport ground support.

**SERVICEPRO** | Reliable partner.  
Around the clock.  
Worldwide.

MORE AT [WWW.DOLL-AMERICA.COM](http://WWW.DOLL-AMERICA.COM)

# When visions turn into a head start.

## More than **145 years** of experience in vehicle construction.

Since 1878, we have been developing and producing sophisticated vehicles and solutions that are made for everyday use.

... ..

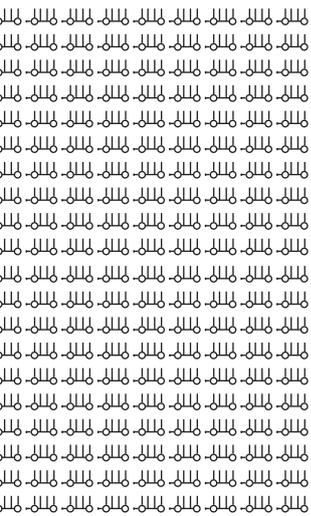
## More than **1.000** vehicles per year

leave us every year and reliably master every challenge.  
Day after day. Mile for mile.

## Over **420** dedicated employees

invest their valuable working time every day in our exceptional products and services.

## 5 Business areas: Defence, Heavy Haulage, Airport Equipment, Timber Transport, Service.



## 35 Engineers and specialists

think of intelligent solutions in detail as well. This is precisely why we are always one step ahead with our technological innovations.



## Quality that sets standards.

Many talk about quality and durability. We actually deliver it. Of course, we also comply with standards, for example DIN EN ISO 9001:2008, and have been doing so since 1995.

# Reliable. Innovative User-friendly. Safe.

## DOLL® SAS Safe Approach System

Behind DOLL® SAS is an intelligent 3D sensor system that not only complies with the standards of IATA AHM 913, but actually surpasses them. Here's what that looks like in practice: the DOLL® SAS system uses a 3D camera to detect the distance between the vehicle and the aircraft in real time. At the same time, the sensor system reliably detects any object that enters the danger area and triggers an automatic stop of the vehicle at 0,5 m of any potential obstacle. In addition to the camera images, the large display in the driver's cab also provides the operator with information via symbols and plain text messages.

For more information visit [sas.doll-airport.com](http://sas.doll-airport.com)



Here's what the DOLL® SAS looks like in action: watch on YouTube.



## DOLL® RDS Remote Diagnostic System

With the DOLL® RDS Remote Diagnostic System, we deliver DOLL® service wherever you are – without actually being there. Through our remote system, we can access the electronic systems directly, repair the fault and get your vehicle up and running again in no time. This wouldn't be possible without the intelligent CAN bus wiring that we install in all of our vehicles as a standard feature.

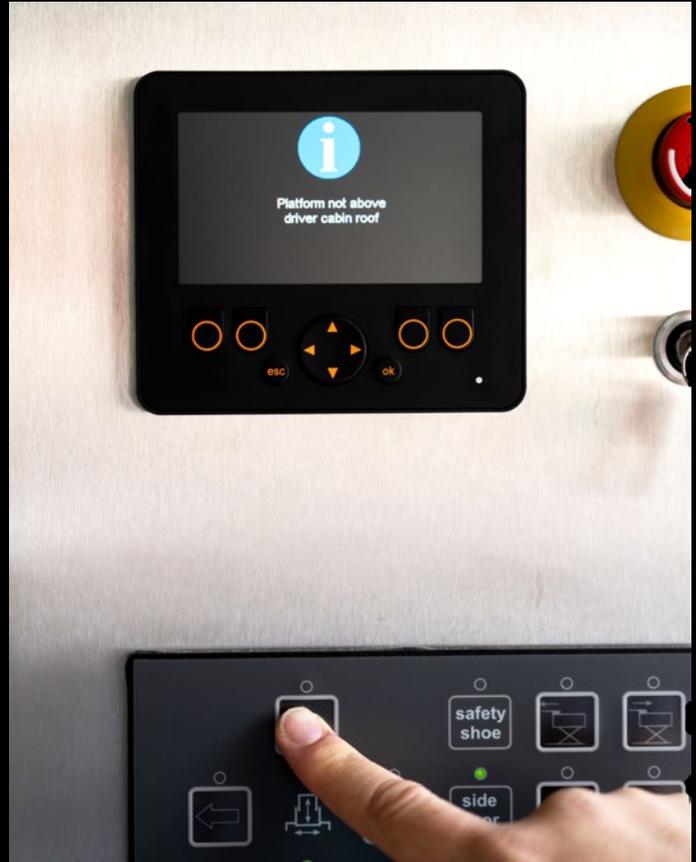
For more information visit [rds.doll-airport.com](http://rds.doll-airport.com)

# DOLL® OCS Operating and Control System

The epitome of user-friendliness and driver support: the innovative DOLL® operating and control system. Based on intelligent CAN bus technology, this system is designed to help you monitor and control your vehicle simply and safely.

- Two-hand operation system prevents unwanted operating errors
- Easy to operate: illuminated buttons with confirmation messages on display
- Intuitive display: key information is clearly shown on the colour display
- Precise operating instructions in the form of a plainly written, step-by-step guide

For more information visit  
[ocs.doll-airport.com](http://ocs.doll-airport.com)



## Vision X

The benchmark for user-friendliness and driver support: the innovative operating and control screen in the driver's cab. Based on intelligent CAN bus technology, it is used for simple monitoring and safe operation of your vehicle. Color icons and real-time graphics clearly show your operators the current state of your vehicle. Step-by-step instructions simplify central work processes. This means: You save time and protect your employees from operating errors.

For more information  
visit [visionx.doll-airport.com](http://visionx.doll-airport.com)

# Exceptional performance, when it really counts. Innovative high-loaders from DOLL®. Or rather: trucks with a licence to lift.

For decades, our intelligent highloaders have been in use on airfields around the world. They make working life significantly easier for their operators, while ensuring a more comfortable experience for the thousands of passengers on board.

Catering, cleaning and medical highloaders. Transfer heights of 93" to 326". What do they all have in common? Premium quality, long-lasting performance outstanding user-friendliness and maximum safety.





## Tried and tested series production

Whether it's a small series or a large-scale order – we have the production capacity for up to 8 vehicles per week.

### Features + advantages

- No-touch policy: vehicles comply with AHM 913 requirements
- Innovative, electronic control and assistance systems
- Intelligent maintenance and service systems
- Reliable design and weight-optimised steel structure
- Bolted auxiliary frame made from high-quality fine-grained steel
- Compatible with all well-known truck chassis brands
- Built with high-quality components and well-known brand products

### Facts + components

- As required: full size, half size or low cab
- Electro hydraulically extendable canopy to protect your employees and passengers
- Robust aluminium platform with extendable side walls
- Roller shutters available in a range of sizes
- Wide range of additional tried-and-tested equipment



# TYPES & DATA

## Technical data highloader \*

<b>Dimensions overall</b>	L=432", W=100", H=142"
<b>Dimensions body</b>	L=287", W=100", H=90"
<b>GVW</b>	approx 26,500 lbs
<b>Payload</b>	up to 9,200 lbs
<b>Sill height min.</b>	approx. 95,5"
<b>Sill height max.</b>	approx. 236"
<b>Loading height rear</b>	approx. 57"
<b>Wind stability</b>	max. 78 knots
<b>Operating temperature</b>	-13 °F to +140 °F

All highloaders can be built on Diesel, Gasoline or LPG driveline chassis.

\* X-Cat M, 20-24 ft  
More types available

## Uncompromising safety. Outstanding convenience.

The ground handling procedures for an aircraft need to be completed very quickly. There are lots of vehicles, machines and people working at the same time to load and unload the aircraft. The time pressure puts a lot of strain on everyone involved, increasing the risk of operating errors, damage or even accidents. DOLL®'s top priority has always been to ensure maximum safety and convenience for your operators, passengers, cargo and aircraft. Our safety features and operating assistance systems are unparalleled – and of course they comply with all international guidelines, such as EN, IATA, ANSI and SAE.

# DOLL® Catering highloader

The intuitive performer



# DOLL® Cleaning highloader

The efficient helper

Can be equipped according to your needs. I.e. Sink, cabinets, shelves etc.

# DOLL® Medical highloader

The safe supporter

From standard medical lifts to VIP versions.



## Features + advantages

- High-quality sensors and CAN bus system
- No uncontrolled lowering movements: lift system with three check valves
- The box can be raised up to the loading ramp height without supports
- Side door is automatically locked in raised position
- An audible signal sounds in the driver's cab and box when the supports are lowered
- Safety shoe for monitoring the height level between the platform and the aircraft
- Sensors around the platform to detect the aircraft fuselage
- Platform barrier can be safely unlocked from a distance of 4,7 Inches
- In the event of a failure, the complete hydraulic system can be operated manually via hand pump or electric emergency pump



## **Reliable lift system**

Hydraulic scissor lift with a robust, lightweight design, featuring redundant shut-off valves and cylinders for absolutely failsafe operation and maximum user safety.

## Interior medical features

For example, brackets or safety belts for wheelchairs, first aid cabinets and intercom systems.



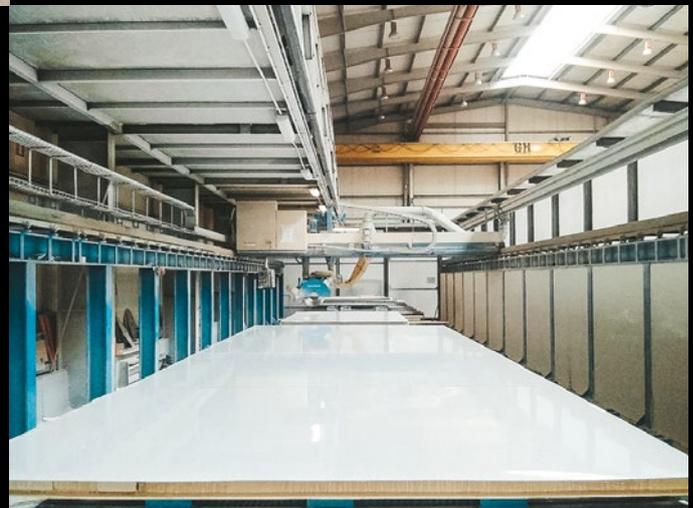
## Megaliner certified

We are one of only a few manufacturers worldwide to have our X-Cat L catering highloaders certified to support megaliner aircraft such as the A380.



## Perfectly chilled

The box, made from insulated sandwich panels, is the perfect, energy-efficient storage solution for your food and drinks.



## Rear lift with fall protection system

Emergency off switches – operated via the display or foot switch – provide additional safety.

# DOLL®

# SERVICE PRO

**Service at DOLL®.  
Around the clock.  
Worldwide.**

# 24h

## **Servicehotlines**

+49 7804 49-163  
service@doll.eu

+1 732 722 7002  
service@doll-america.com

**USA**

Choosing a DOLL® product means much more than just buying a vehicle. It also marks the beginning of a reliable partnership. A partnership based on our promise to do everything in our power to help you fulfil your potential. Your vehicle and our staff are your companions, reliable partners for your business. Day by day. Kilometre by kilometre. With our comprehensive range of services, we'll provide the support you need whenever and wherever you need it, so that you can focus entirely on your core business.



## Repairs + maintenance.

### In professional hands.

Your DOLL® highloader is your daily business companion and you need to be able to rely on it without any restrictions. That's why we're committed to exceptional quality here at DOLL® – and it's also why we recommend securing regular care, maintenance and repairs for your vehicle. You'll be dealing with highly qualified specialists who only use original DOLL® parts and specialist tools. This means your vehicle's downtime will be kept to a minimum and you'll be guaranteed a high level of workmanship.



## Spare parts + accessories.

### Top quality, down to the smallest part.

DOLL® highloaders are extremely robust and durable. Nevertheless, the wear and tear, maintenance or repairs may mean that some parts need to be replaced. We'll manufacture the original DOLL® component or procure the spare parts or accessories you need. And since a big commitment to quality starts with the small things, every part that leaves our warehouse is subject to the exact same quality standards that we apply to our vehicles. The value and safety of your DOLL® highloader are our top priorities.



## Technical support.

### Support that gets you further.

It's often the little yet valuable tips from experts that help us right away – whether that's with identifying a fault or solving a problem. On our service hotline, you can speak to DOLL® experts who know your vehicle better than anyone else. We provide instant support over the phone, helping you avoid long periods of downtime.



## DOLL® Academy

### Get qualified. Improve your skills.

In our training courses, we'll show you and your employees how to use and service your vehicles efficiently – either before they're used for the first time or during annual training sessions. For this purpose, we'll create and design a training concept tailored specifically to your needs and field of activity. If your employees and drivers have a perfect command of their highloaders, you're guaranteed to improve safety and reduce costs in wear and tear.

Over 120 partners worldwide:  
[partner.doll.eu](https://partner.doll.eu)



# QUALITY LEADING SCISSOR LIFT TRUCKS. SPECIALIZING IN GROUND HANDLING IN THE USA.

DOLL® is one of Europe's leading manufacturers of transport vehicles for timber transport, heavy haulage, airport equipment and defence applications. For over 140 years, we have been merging our experience in vehicle construction with visionary ideas. We research the technology of tomorrow and make great strides in the world of transport solutions – on every terrain. This has always been our recipe for success and it always will be.

## **WELL-KNOWN ALL OVER THE WORLD**

DOLL® has been manufacturing high loaders for more than 20 years: they can be found on the tarmac all over the world, making life on board more comfortable each time they service a plane. In addition to catering trucks, the range of high loaders also includes cleaning and medical lifts for passengers with reduced mobility.

## **GERMAN ENGINEERING - INSTALLED IN THE US!**

The USA is one of the most favorable markets regarding Airport Equipment. As one of the leading manufacturers of highloaders DOLL® has recognized this potential and has founded DOLL AMERICA as a subsidiary company located in New Jersey. Our DOLL AMERICA team consists of American and German specialists who combine their engineering skills and their experience of the American market. This allows us to focus on your special needs. For you this means: DOLL® know-how, quality and service. Near you.

Let's make big things move!



## **DOLL AMERICA INC.**

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### **Customer proximity & fast response speed.**

With our competent contacts in the USA and in the headquarter in Germany, we offer you DOLL® know-how, quality and service near you.



## Advice you can rely on!

We are happy to advise and support you at any time.

Contact us **+1 732 722 7002** or  
write us an e-mail to **[info@doll-america.com](mailto:info@doll-america.com)**.

More information on **[www.doll-america.com](http://www.doll-america.com)**.