

DOLL[®]

AIRPORT EQUIPMENT



RELIABLE. INNOVATIVE. USER-FRIENDLY. SAFE.

Catering, cleaning and PRM highloader for airport ground support.

SERVICE**PRO**

Reliable partner.
Around the clock.
Worldwide.

MORE AT WWW.DOLL-AIRPORT.COM

Reliable. Innovative User-friendly. Safe.

DOLL® SAS

SAFE APPROACH SYSTEM

Behind DOLL® SAS is an advanced 3D sensor system that exceeds the standards of IATA AHM 913. The Safe Approach System uses a 3D camera to detect the distance between the vehicle and the aircraft in real time. Simultaneously, the sensor system reliably identifies any object entering the danger zone.

For more information visit sas.doll-airport.com

Features + Benefits

- Facilitates an easier, safer, and more convenient docking process
- Features a large color display with intuitive, self-explanatory symbols
- Real-time display of the distance from the aircraft
- Audible warning signals activate as the vehicle approaches the aircraft
- An audible stop signal sounds when the vehicle reaches its final operating position
- Optional automatic stop at a distance of 1.6 feet from the aircraft
- Quick and simple training for new employees



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





DOLL® RDS

REMOTE DIAGNOSTIC SYSTEM

DOLL® highloaders are renowned for their exceptional quality and durability. However, in the event of a technical issue, our DOLL® RDS Remote Diagnostic System ensures that DOLL® Service is available wherever you are, even without physically being present. Through remote access to the electronic systems, we swiftly diagnose and repair faults, ensuring minimal downtime and getting your vehicle operational again promptly.

For more information visit rds.doll-airport.com

Features + Benefits

- Minimize downtime and lower maintenance costs
- Lighten the workload for your on-site personnel
- Benefit from comprehensive support by skilled DOLL® experts
- Global usability facilitated by an international SIM card
- Capability for software updates and performance enhancements
- User-friendly operation with a plug-and-play system
- Features a compact, robust box design for durability

DOLL® OCS

OPERATING AND CONTROL SYSTEM

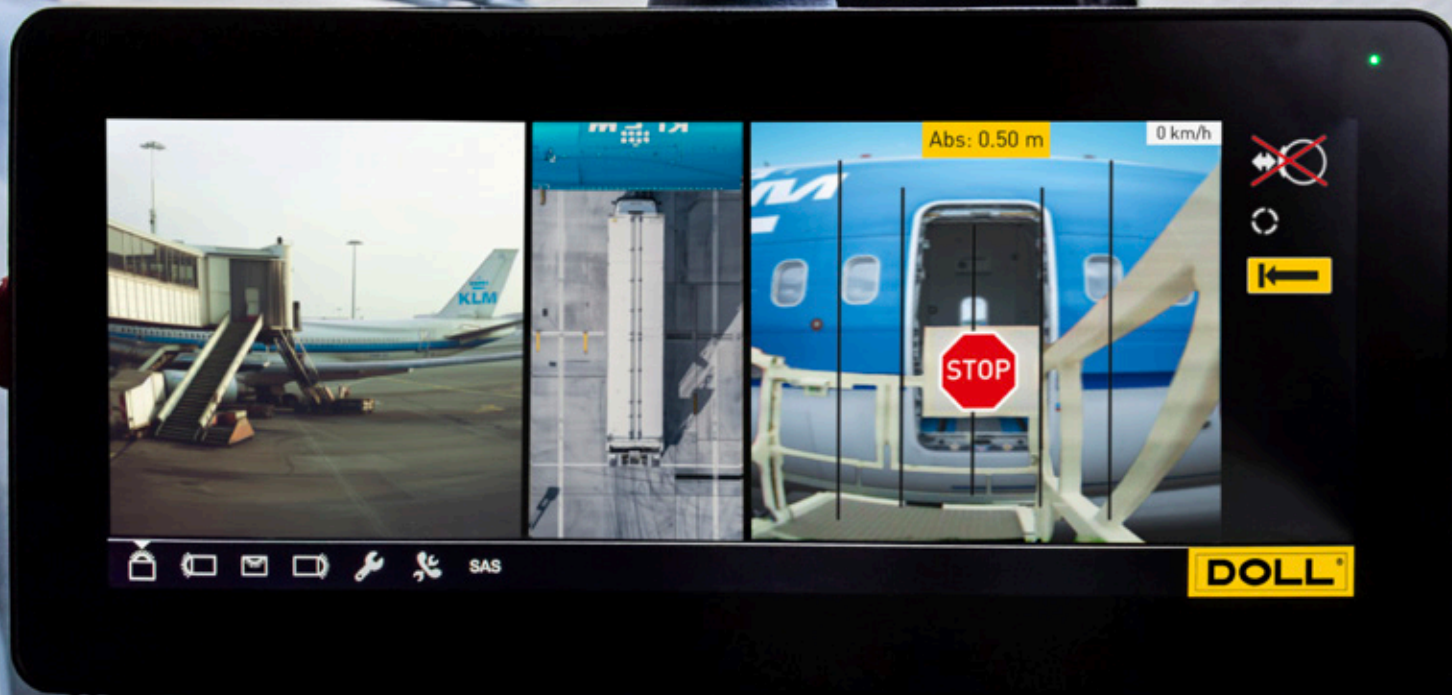
The innovative DOLL® OCS operating and control system epitomizes user-friendliness and driver support. Utilizing advanced CAN bus technology, this system allows you to monitor and control your vehicle with ease and safety.

For more information visit ocs.doll-airport.com

Features + Benefits

- Independent CAN bus system for seamless integration
- Effortlessly monitor and control all critical vehicle functions
- Centralized operating and control unit on the control panel and cab display
- Standard 7-inch display in every cab for enhanced visibility
- 3D status overview in the cab, displaying all important messages
- Double-secured system to prevent unintentional operating errors
- Intuitive operation with illuminated buttons and display feedback
- Available in four languages for global accessibility





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

Vision X

THE LARGE 12" SCREEN

Control. Secure. Monitor. The 12" Vision X screen provides lift truck operators with all essential information regarding the docking process to the aircraft and other lift functions. This ensures that operation remains simple, clear, and secure.

For more information visit visionx.doll-airport.com

Features + Benefits

- Easy operation of all functions via a control knob
- 360-degree panoramic view around the vehicle for enhanced safety
- Three camera images displayed on a high-resolution screen
- Step-by-step instructions for all functions ensure ease of use
- Help messages provide guidance in case of operating errors
- Simple, short tutorial videos explain all functions clearly
- Control the DOLL® SAS Safe Approach System effortlessly
- Monitor the battery management system during zero-emission operations
- 3D status overview with all critical messages at a glance
- Access important vehicle data such as operating hours, maintenance, and service reminders
- Detailed digital operating instructions available on board
- Multilingual support for global accessibility

Unmatched performance, when it matters most. Discover DOLL®'s innovative highloaders. Or rather: trucks with a licence to lift.

For decades, our smart highloaders have been hard at work on airfields worldwide. They not only make operators' jobs easier but also enhance comfort for thousands of passengers on board. Catering, cleaning and PRM

highloaders with transfer heights of 1.400 mm to 6.000 mm. What do they all have in common? Premium quality, long-lasting performance, exceptional user-friendliness and maximum safety.





Proven series production

From small batches to large-scale order – we have the production capacity for up to 8 vehicles per week.





Features + Benefits

- No-touch policy: vehicles fully comply with AHM 913 requirements
- Cutting-edge, electronic control and assistance systems
- Smart maintenance and service solutions
- Robust, weight-optimized steel structure
- Bolted auxiliary frame crafted from premium fine-grained steel
- Compatible with all major truck chassis brands
- Constructed with high-quality components and trusted brand-name products

Facts + Components

- Tailored to your needs: full size, half size or low cab options
- Electro-hydraulic extendable canopy for protecting employees and passengers
- Durable aluminium platform with extendable side walls
- Roller shutters available in various sizes
- Extensive selection of proven, additional equipment

X TYPES & DATA

METRIC MEASUREMENTS

Technical data highloader *

Dimensions overall	L = 9,000 mm, W = 2,550 mm, H = 3,700 mm
Dimensions body	L = 6,200 - 7,500 mm, W = 2,550 mm, H = 2,300 mm
GVW	12,000 - 16,000 kg
Payload	up to 4,500 kg
Sill height min.	approx. 1,400 mm
Sill height max.	approx. 6,000 mm
Loading height rear	approx. 1,400 mm
Wind stability	max. 52 knots
Operating temperature	-25 °C to +60 °C

All highloaders can be built on diesel, gasoline or LPG driveline chassis.

* X-Cat M halfsize
More types available

Uncompromising safety. Exceptional convenience.

Aircraft ground handling needs to happen fast, with multiple vehicles, machines, and people working simultaneously to load and unload. The pressure is intense, raising the risk of errors, damage, or even accidents. At DOLL®, our top priority is ensuring maximum safety and convenience for your operators, passengers, cargo, and aircraft.

Our safety features and operating assistance systems are unmatched, fully compliant with all international standards EN, IATA, ANSI and SAE.



X TYPES & DATA

NORTH AMERICAN MEASUREMENTS

Technical data highloader *

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





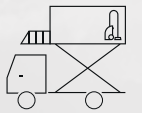
DOLL® Catering highloader



THE INTUITIVE PERFORMER

Designed with advanced insulation, the box ensures consistent temperature control, keeping food products fresh and at their best.

DOLL® Cleaning highloader



THE EFFICIENT HELPER

Customizable to meet your needs – whether it's a sink, cabinets, shelves etc.

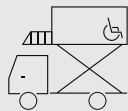


Features + Benefits

- High-quality sensors with CAN bus system
- Controlled lift system with three check valves to prevent any unintended lowering
- Box can be raised to loading ramp height without supports
- Side door automatically locks in the raised position
- Audible alert sounds in both the driver's cab and box when supports are lowered
- Safety shoe monitors the height level between the platform and the aircraft
- Sensors around the platform detect the aircraft fuselage
- Platform barrier can be safely unlocked from a distance of 120 mm
- In case of a failure, the entire hydraulic system can be manually operated via hand pump or electric emergency pump

DOLL® PRM highloader

THE SAFE SUPPORTER



From standard PRM lifts to VIP models fully customizable to meet your unique needs.



Dependable lift system

Experience the power of our hydraulic scissor lift, designed with a sturdy yet lightweight structure. Equipped with redundant shut-off valves and cylinders, it ensures absolutely fail-safe operation and optimal user safety.



Megaliner certified

We're proud to be among the exclusive few manufacturers globally with our X-Cat L catering highloaders certified to handle mega aircraft like the A380.

Interior PRM features

For example, our range includes wheelchair brackets and safety belts, first aid cabinets, and intercom systems.



Perfectly chilled

Our insulated sandwich panel box offers the ideal, energy-efficient solution for storing your food and beverages.

Rear lift with fall protection system

Emergency off switches, accessible via both the display and a footswitch, enhance safety with quick and easy operation.





DOLL®

ZERO EMISSION

e-Mobility

GET FURTHER. GET RESPONSIBLE. GET ELECTRIC.

Elevate innovation to zero emissions. Our fully electric lifting vehicle and electric truck enable sustainable, emission-free movement on the tarmac. Reduce your ecological footprint and embrace a sustainable future with confidence.



Features + Benefits

- Completely electric for eco-friendly operations
- Eliminates emissions to reduce your environmental impact
- Significantly lowers your ecological footprint
- Minimal charging times for enhanced efficiency
- Maintains and enhances functionality with improved performance
- Offers long-term cost savings by eliminating fuel expenses

DOLL®

SERVICE PRO

Service at DOLL®. Around the clock. Worldwide.

MILE AFTER MILE. ACROSS ALL OVER THE WORLD.

Your DOLL® vehicle is your trusted daily business companion, and you need it to perform flawlessly at all times. That's why we at DOLL® are dedicated to providing exceptional quality. We also recommend regular care, maintenance, and repairs for your vehicle, whether at our service workshop in Oppenau, through at one of our service partners, or via our service team at a location convenient for you.

24h

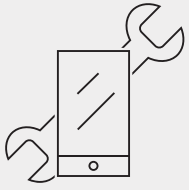
Servicehotlines

+49 7804 49-163
service@doll.eu

Europe

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

USA



Technical Support

SUPPORT THAT GETS YOU FURTHER.

- Expert assistance for fault identification and problem-solving
- Direct connection to our experts through the service hotline
- Immediate phone support 24/7
- Minimize downtime



Repairs + Maintenance

IN PROFESSIONAL HANDS.

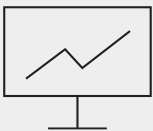
- Comprehensive service
- Committed to exceptional quality
- Skilled technicians at your service
- Mobile support wherever you need it
- Minimize vehicle downtime
- Maintenance to keep your highloader running smoothly



Spare Parts + Accessories

TOP QUALITY, DOWN TO THE SMALLEST PART.

- Parts inspired by DOLL® expertise
- Optimal parts and repair kits for your vehicle
- DOLL®-manufactured service tools for easier maintenance
- Cutting-edge technology for your highloader
- Extensive stock of wear parts
- Daily pickups by our service providers for rapid delivery



DOLL® Academy

IMPROVE YOUR SKILLS.

- Customized training sessions
- Annual training sessions at our plant or on-site
- Learn DOLL® technology before operation begins
- Master your highloader for maximum operational safety
- Expert knowledge to prevent downtime

Over 120 partners worldwide:
partner.doll-airport.com



Over **120**
partners worldwide

Our qualified partners help you in any case of emergency using original DOLL® spare parts down to the smallest detail.

Find the best DOLL® Service near you at PARTNER.DOLL-AIRPORT.COM

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



35 Engineers and specialists

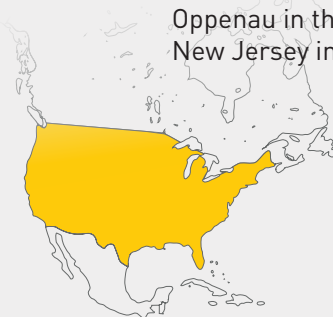
think of intelligent solutions in detail as well. This is precisely why we are always one step ahead with our technological innovations.

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.

3 Plants on **2** continents

Oppenau in the Black Forest,
New Jersey in North America.



Advice you can rely on!

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

For more information and advice:

DOLL Airport Equipment

☎ +49 7804 49-509

✉ airport@doll.eu

DOLL America

☎ +1 732 722-7002

✉ info@doll-america.com

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