



the next
generation
ambulift



Welcome to PaxLift from Baumann



Baumann is a world-class manufacturer with a reputation for consistent innovation and the highest level of design and productivity.

Our comprehensive range of sideloaders are specified to suit the heavy demands and nuances of timber, steel, plastic, concrete and other manufacturing sectors.

Our starting point for the PaxLift was comfort and reliability.

We saw a need for a high quality passenger cabin with lifting capacity from ground level up to 8,000mm.

Something which offers easy access and great manouvrrability to reach the airplane door.

Based in Cavaion in Italy, our family-owned company has led the sector for almost 50 years, allowing us to sell our products worldwide through 106 dealers in 76 countries.

Cavaion Veronese has been home to Baumann since 1969, just a stone's throw away from the tourist hotspots of Bardolino and Lake Garda.

The location of the factory was said to have been selected for its proximity to a renowned nearby technical school by owner, Wolfgang Baumann, who believes craftsmanship "permeates the local culture".





The blending of innovation, productivity and durability.

Our previous experience in aircraft ground support and our work with industrial equipment gave us the insights to design the next generation 'Ambulift'.

One that gives precise control and maximum comfort within a small footprint (just 2,500mm width, max 3,600mm high in closed status and a flexible length).

Key Benefits:

- All wheel steer & integrated suspension.
- Space for a minimum of six wheelchair passengers with assistants.
- Extremely compact, with a small turning radius.
- Comfortable, fast & smooth.

Our philosophy of high service levels,

world class industrial vehicles and reliable innovation neatly fits the needs of the airline and GSE industries.

We understand that safety and the punctual departure of the aircraft is paramount.

With a tighter turning circle, clearer view and smaller footprint, we believe the PaxLift is the safest option available.

Three lifting columns with integrated suspensions makes the operation fast and smooth, whilst the hydraulic powered steering axle ensures continuous reliability and performance.

Standard trucks are fitted with a Stage IV or Tier 4 Final diesel engines, electric trucks are available upon request.



Superb vision, sensors & controls

Above: Wide-angle cameras and laser sensors put the operator in complete control, whilst pre-set lift heights for all aircraft types make boarding smooth and simple.

Below: Large electronic side view mirrors provide excellent views.

Overcoming the traditional weaknesses of the PRM machine

As a purpose-built machine, rather than an adapted commercial vehicle, Baumann ensures the right level of engineering technology.

The design concept is not changed, adapted or compromised to achieve the right level of operability.

The result is better value, a reliable service period and faster return on investment.

Traditional Ambulifts suffer from a number of inherent weaknesses stemming from their origins as an adapted commercial vehicle.

Paxlift is different. There's no separate lifting required to access the cabin.

That saves a great deal of time and effort. Vision and turning are excellent. High payloads are possible.

The driver and passengers are able to clearly see one another.

Travelling is smooth and comfortable, even in strong winds, and the journey feels secure and natural - unlike extended lateral movement.

By designing a new purpose-built machine specifically for passengers, PaxLift has overcome the many disadvantages of the traditional, modified PRM vehicles.



Fast & Stepless

Floor to door access (0mm to 8.1m) without the need for stabilizers or lateral movement at ground level; and stepless without additional lifting attachment.



Safe & Secure

Front access gates are alarmed and linked to the operator controls, preventing accidental travel when unsecured. Lifting is only allowed with platform rails and doors closed.



One-Man Operation

Driver's air suspended seat is located within the passengers cabin, complete with joystick controls and full-vision cameras.





On-Board Anemometer

A telescopic roof protects passengers from the sun and rain when embarking and disembarking.

Meanwhile, the onboard anemometer provides instant wind-speed information and lateral movement control in winds of up to 100km/h (54kn).



Award-Winning Productivity

Our design capability has been recognised on several occasions in recent years. We have received the FLTA award for Innovation for our remarkable Archimedes outreach system and again in 2017 with a nomination for our latest high performing electric industrial models.

Instinctive Controls

With easy and intuitive automotive-style controls, PaxLift offers an extremely time-efficient docking process with no repositioning needed.



PRM History

Our first machine for PRM was built over a decade ago. Because we have faced the challenges of developing stable, high lifting equipment, we understand the shortcomings of the traditional designs.



Incredibly Smooth

Three patented lifting columns provide a smooth and safe lift, with fully hydraulic suspension offering maximum comfort during driving.



Accessible & Practical

Levels of interior design are available to suit all budgets, with the emphasis on comfort, space efficiency and safety.

Floors are designed from 16mm marine wood covered with linoleum, with a perfect connection to the finned walls to facilitate simple cleaning.

The walls are coated up to 200mm with vinyl Safe-floor whilst the lower walls feature rubber coated protectors to prevent contact damage from wheelchairs.

Six foldable seats equipped with safety belts. Two yellow handrails along the truck and under the window.

Two top rails for standing passengers with a total of 10 handles overall. On one side is a small overhead luggage compartment.



Fit For The Job

Because PaxLift is a machine fit for the job, not an adapted commercial vehicle, it comes complete with bespoke settings for embarking/disembarking, driving and driver's stand. A rotating beacon and white noise alarm operate during cabin lowering.

Other Great Features



Durable & Reliable

Hydrostatic drive is designed for stop and go travel, ideal for airport operations, improved reliability and reduced fuel consumption. The load-sensing hydrostatic pump, with full flow sharing sectional valves, efficiently supports the lifting process.



Joystick Control

Via a simple joystick, PaxLift allows the most direct lifting process from ground level to the aircraft door. Movement is smooth, without any jerky motion or lateral travel of the passenger cabin.



From Airside To Roadside

PaxLift's total width is just 2,550mm meaning it can operate on normal airport roads and streets. A proven 3.6l 4-Cylinder Diesel Stage-4 engine provides speeds of up to 30km/h (restricted to 2.5km/h with the cabin raised).



Emergency Override

Emergency shut-off points are located all around the chassis - a mains switch for the shutdown of all the electric circuits.



PRM & VIP transporter

A smooth & stepless experience from
ground level to 8 meters

from inspiration & innovation
to robust production & patented perfection

Purpose-built by a manufacturer

you can trust

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