



innovation for aviation

Ground Support Equipment

GSE



Mallaghan

Mallaghan is one of the fastest-growing Airport Ground Support Equipment manufacturers worldwide, producing a vast range of highly acclaimed GSE products to an ever-expanding global network of customers. Mallaghan is proud to provide best-in-class products that meet the needs of a diverse marketplace.

Developing our GSE products to ensure the highest quality is not just a statement, it is a mission and a commitment to customers that Mallaghan has been delivering upon since the company was founded by Terry Mallaghan in the 1960's. Originally established as a Civil Engineering Firm, the company attributes its move towards high quality GSE manufacturing following extensive research throughout Europe and the Middle East where Terry identified a need within the Aviation Industry for schedule streamlining.

A now renowned international force in the GSE Industry with a vast and highly skilled workforce, Mallaghan's world headquarters and manufacturing facility in Northern Ireland is a world-class premise's that represents Mallaghan's continued investment to foster business and industry growth, domestically and internationally. Never satisfied with the status quo, the ongoing expansion of development and manufacturing capabilities emphasises Mallaghan's commitment to continually raise the benchmark for value and quality in our GSE products and associated services. The company maintains manufacturing facilities & headquarters in Northern Ireland with service & worldwide offices in locations in London, Berlin, Dubai, Singapore and USA.

Built in 2004, the facility features a dedicated research & development space committed to driving our innovative brand. Mallaghan's state-of-the-art manufacturing area boasts continuous-flow assembly lines, as well as hydraulic & electronic assemblies, metal fabrication and weld shops.

Generous space is also devoted to shipping and receiving, a parts inventory warehouse, and quality assurance facilities. Our manufacturing facility implements Continuous-Flow Manufacturing (CFM) and Quality Improvement Programs (QIP), providing continuous product and process improvement.

As an approved bodybuilding manufacturer, Mallaghan use only world-renowned chassis & sub-component suppliers such as Mercedes-Benz, Scania, Volvo, DAF, Iveco, Deutz, Thermoking and Carrier.

Mallaghan is committed to ensuring that every product manufactured is built to customer's own requirements and constructed for safe operation, long-life and maintenance friendly metric.

Providing an excellent Aftersales Service is pivotal to our business and we firmly believe it to be just as important as the performance of our products. Our exceptional Aftersales Service ensures that our customers achieve maximum return on their investment for the entirety of their equipment.

'Innovation for Aviation' remains at the fore of our company and highlights our ongoing commitment to surpass the needs of our customers in terms of quality and service.



TA8500

Deicers

The Mallaghan Deicer range of equipment has been designed to surpass the expectations and needs of customers in terms of mobile deicing and anti-icing of all aircraft types. This European manufactured 'state of the art' Deicer been specifically designed so as to ensure high levels of efficiency, reliability and ease of use in a safe and busy airport environment.



TA8200



TA8200 with fully enclosed basket



TA4500

Technical Specifications

Model / Typical Capacity

TA4500
3600 litre pre-mix
900 litre anti-ice

TA8200
7000 litre pre-mix
1200 litre ant-ice

Chassis

Standard commercial chassis of European or US manufacture. Driver's cab full roof window with wipe/wash

Standard Features

- Automotive fire suppression system.
- Basket communication intercom system

Fluid Tanks

- Stainless steel construction
- Internal multipoint return flow for improved mixing
- High grade insulation fitted to the heated premix deicing fluid tank
- Both tanks including the Anti-ice Tank have external fluid level gauges

Fluid Circulation & Delivery

- Hardi Pumps deliver the heated fluid up to 200 LPM
- Anti-ice flow adjustable from 75LPM to 200LPM

Boom / Basket

- Open or enclosed basket options
- Working height up to 17m.
- Proportional control fitted for smooth operation
- Main Boom Rotation 270°
- Basket Rotation 180° (Optional)

Typical Options

- Proportional mixing system
- Forced Air System

Additional Options

Available upon request

Towable Passenger Stairs



Tristair HR with Sun-shade Canopy

The Mallaghan Towable Passenger Stair range are units capable of providing passenger access to a wide range of aircraft. These stair units are mounted on a towable Mallaghan steel chassis which includes parking brake. Height adjustment is achieved by means of hydraulic ram.



Tristair LR



Tristair FCMR



Tristair HR



Towable Crew Stairs

Technical Specifications

Model Sill Heights

Tristair LR
1800mm - 3950mm

Tristair MR
2400mm - 4400mm

Tristair HR
3800mm - 5800mm

Chassis

Mounted on towable Mallaghan steel chassis with parking brake for rugged airport operations.

Hydraulics

Built-in hydraulic cylinders and four hydraulic chassis stabilisers.

Typical Options

- Pedestrian control (Diesel or Electrically operated)
- Fully enclosed or sun-shade style canopies.
- Aluminium step profiles.
- Stair lights with sensor and timer.

Additional Options

Available upon request.



Motorised Passenger Stairs

The Mallaghan Motorised Passenger Stair range offers high performance and reliability for passengers at the aircraft. Available in commercial truck chassis mounted and self-propelled options, the Motorised Passenger Stair is a highly sophisticated piece of equipment, engineered to the utmost quality and safety standards.



Continental Stair



Continental Stair (Open Style Drivers Cab)



Eurostair FCHR



Eurostair MR

Technical Specifications

Model Sill Heights

Eurostair 2000
2400mm - 4400mm
Self-propelled

Eurostair MR
1800mm - 4200mm
Self-propelled

Eurostair HR
2200mm - 5800mm
Self-propelled

Continental Stair
2200mm - 5800mm
Self-propelled

Truck Mounted Eurostair
Up to 5800mm

Chassis
Mounted on standard commercial chassis or self propelled option which incorporates Deutz

or Perkins diesel engine, drivers cab, stair section, hydrostatic drive system and associated hydraulics.

Hydraulics
All cylinders operated with dual pilot operated check valves.

Electric System
24v relay.

Typical Options

- VIP
- 4x4 Rescue Stair
- Escalator Stair
- Fully enclosed all weather canopy.
- Aluminium step profiles.
- Stair lights with sensor and timer.
- Auto-level platform system.
- Electric Version

Additional Options
Available upon request.

Bendibelt



The Mallaghan Bendibelt is an ingenious aircraft baggage loading system which enables baggage to be loaded/unloaded in a safe, efficient and expedient manner with the operator in control from within the baggage hold. With a unique curvature design and key safety features it can deliver a number of significant benefits including turnaround efficiencies, reduction in manpower costs & manual handling, whilst through automation reducing the risk of manual handling injuries and ground damage to aircraft.



Technical Specifications

Engine:	Deutz	Wheelbase:	3100mm	Belt Length Available:	Main Boom 7.5 & 8.5mtrs
Drive:	Hydrostatic	Turning Circle:	7.7mtrs	Bendi Belt Ext.	up to 7.0mtrs
Steering:	Hydraulic	Usable Belt Extension:	up to 6.0mtrs	Belt Width:	Main Boom 600mm Bendi Belt 305mm (600mm inc. rollers)
Dead Weight:	5200kg	Single Load:	400kg	Service Height:	1mtr - 3.1mtrs
Vehicle Length:	max 10.0mtrs	Belt Speed:	13 - 24mtrs p/min		
Vehicle Width:	2400mm				



Lifting Head Up (Optional)



Lifting Head Down (Optional)



Toilet Service Trucks

The Mallaghan Toilet Service Truck has been specially designed to service the toilet tank of all aircraft types based on the vacuum evacuation principle.

Technical Specifications

Models

TSU1000

- 1000 litre tank capacity
- 700 litre effluent
- 300 litre flushing water

TSU3000

- 3000 litre tank capacity
- 2000 litre effluent
- 1000 litre flushing water

TSU4500

- 4500 litre tank capacity
- 3000 litre effluent
- 1500 litre flushing water

Specification

- Waste tank mounted in tandem with flush tank.
- Complete assembly attached to vehicle chassis via independent flexible rubber mounts.
- Top surface covered with aluminium tread-plate supported on a tubular frame, secured to the tank top ensuring easy access to the aircraft servicing points.
- Water and vacuum services are provided via power take-off, which is engaged or disengaged within the vehicle cab.

Chassis

All suitable commercial chassis

Typical Options

- Automatic gear box
- Hydraulic tail-lift
- Winterisation

Additional Options

Available upon request.



TSU1000



TSU3000



TSU4500

Water Service Trucks



WSU1000

The Mallaghan Water Service Truck has been specially designed to replenish the water tank of all aircraft types.

Technical Specifications

Models

WSU1000

- 1000 litre tank capacity

WSU3000

- 3000 litre tank capacity

WSU4500

- 4500 litre tank capacity

Specification

- Stainless steel water tank.
- Complete assembly attached to vehicle chassis via independent flexible rubber mounts.
- Top surface covered with aluminium tread-plate supported on a tubular frame, secured to the tank top ensuring easy access to the aircraft servicing points.
- Water services are provided via power take-off, which is engaged or disengaged within the vehicle cab.

Chassis

All suitable commercial chassis

Typical Options

- Automatic gear box
- Hydraulic tail-lift
- Winterisation

Additional Options

Available upon request.



WSU3000



WSU4500

PRM Medical Lifts

ML6100T



The highly acclaimed Mallaghan PRM Medical Lift has been specifically designed for the safe and comfortable transport of PRM passengers to and from the aircraft. The Mallaghan Medical Lift ensures to provide a prompt and dignified service in the most comfortable manner possible. The range is available in self-propelled and truck mounted options.



ML4000T H/C



ML6100TD



ML6100D



ML8000T

Technical Specifications

Model / Sill Heights Available From:

ML6100D Self Propelled Chassis
1090mm - 6000mm

ML4000T Truck Mounted
1300mm - 4200mm

ML6100T Truck Mounted
1500mm - 6000mm

ML6100TD Truck Mounted
1500mm - 6000mm

ML8000T Truck Mounted (A380)
3000mm - 8200mm

Typical Capacity
6 wheelchairs, 1 stretcher.

Chassis
Standard commercial chassis
(Such as Iveco, MAN, Mercedes-Benz, DAF, Volvo, Scania).

Platform
Available in full width, half-width
and traverse options.

Scissor Mechanism

Mallaghan scissors with built-in hydraulic cylinders and four hydraulic chassis stabilisers.

Van Body

Insulated G.R.P panels.
Tail-lift with folding safety rails

Electric System

24v relay or PLC computer.

Typical Options

- Automatic gearbox
- Air conditioning
- Medicine & blanket cabinet/s
- Wheelchair/stretcher clamps

Additional Options

Available upon request.



Mock Up

Additional GSE

In addition to our extensive range of GSE products we can offer tailor-made equipment for a vast range of Airport Operational Requirements.



MPL11



DXB-3



FUEL BOWSER



LBT90



RDV

innovation for aviation

Ground Support Equipment



For more information please visit our website:
www.mallaghanGSE.com

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