



# AIRPORT GROUNDSUPPORT EQUIPMENT

# Company Profile

*techhünert* engages in the development, engineering and manufacturing of Airport Ground Support Equipment (GSE).

For more than 30 years we have been a reliable partner of virtually all major german airports. Through constantly expanding international cooperations our products are now in operation at many airports in Europe and all over the world.

*techhünert* was the first company in Europe to entirely develop and manufacture a Rescuestair vehicle for airport firedepartments, which is suited for aircrafts of a size such as the Airbus A380.

All products can be adapted to specific requirements in a flexible and customer-oriented way, all the way to the development of new special-purpose vehicles entirely from scratch.

Our range of products comprises a wide spectrum of GSE:

- Passengerstairs
  - towed stairs
  - stairs with auxiliary drive
  - selfpropelled stairs
  - Escalator stairs
  - Rescuestairs
- Water service vehicles
- Toilet service vehicles
- Containerdollies
- Luggagetrailers
- Luggageloaders / Conveyorbelt-loaders
- Aircraft docking systems
- VIP- / Handicapped passenger vehicles

Among our services are also:

- Development
- Engineering
- Manufacturing
- Maintenance
- Repair / After-sales service
- Sparepart service

[www.tec-huenert.de](http://www.tec-huenert.de)  
[www.rescuestair.com](http://www.rescuestair.com)

# Towed passengerstairs



## Passengerstairs

Parallelogram-stair with adjustable platform height-range. Available either with Ackermann-steering underneath the platform or with centre pivotal steering at the lower end.

Type	Height range
5.07	1.220 - 1.750 mm
5.10	1.470 - 2.260 mm
5.11	1.595 - 2.445 mm
5.12	1.750 - 2.600 mm
5.13	1.865 - 2.900 mm
5.17	2.400 - 3.900 mm
5.18	2.550 - 3.950 mm



## Telescopic Passengerstair

Type	4.1712
Height range	3.400 - 5.600 mm



## Crew- and Servicestairs

All TEC Huenert towed stairs are also available as crew-/service stairs with variable or fixed height.

# Passengerstairs with auxiliary drive



Telescopic Passengerstair 50.1310-01  
with auxiliary drive

Electric system driven by solar technology.  
Control unit integrated in towbar.

Height range	1.800 - 4.200 mm
Platform dimensions	1.040 x 3.000 mm



Passengerstair 50.18-01  
with auxiliary drive

Designed as towed parallelogram stair.  
Control unit integrated in towbar.

Configuration e.g. with closed canopy and bellows.

Available height ranges:	2.300 - 3.600 mm
	2.400 - 3.550 mm
	2.400 - 3.900 mm



Telescopic Passengerstair 50.1409-01  
with auxiliary drive

Towbarless. Driver's stand on the platform.  
With wide platform.

Height range:	2.200 - 4.400 mm
Platform dimensions:	2.700 x 2.000 mm



# Passengerstairs



Passenger Stair 6.1511-01

Chassis	serial	e.g. MB
Platform height range	2.400 - 5.400	mm
Platform dimensions	1.520 x 2.700	mm



Passenger Stair 6.1513-03

Chassis	TEC Huenert	
Platform height range	2.400 - 5.800	mm
Platform dimension	1.800 x 3.200	mm

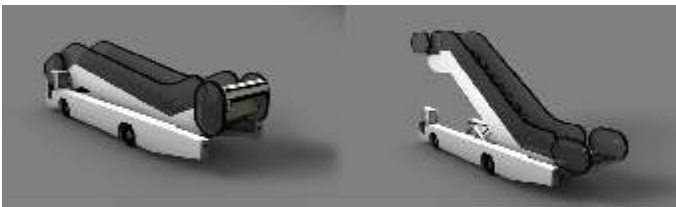


Passenger Stair 6.1207-01 FO

Driver's stand on the platform.

Platform height ranges	1.800 - 3.700	mm
	2.200 - 5.800	mm
Platform dimension	2.900 x 2.500	mm
Chassis	TEC Huenert	

# Escalator



## Escalator Passengerstair 400-RT

The automatic escalator enables passengers to reach the aircraft door comfortably and almost effortlessly. To ascend from ground-level to the escalator the vehicle can be equipped either with an automatic hydraulic elevator or with a trailer with a few fixed steps.

Standard platform height	4.5- 5.0 m
Chassis	TEC Huenert
Speed	30 km/h

Other technical data are specific to the respective solution for the individual customer.

# Accesslift



## VIP- / Handicapped Passenger Vehicle

The access lift is designed especially for the transport of VIPs or handicapped passengers from the gate to the aircraft. Access to the cabin is possible nearly at ground-level making it ideal for wheelchairs and passengers with impaired mobility.

If the vehicle is intended to be used for VIPs only, the cabin can be furnished with premium interiors.

Cabin height range	0.1- 5.8 m
Ascend/descend speed	0.1 m/s
Cabin length	2.300 mm
Cabin width	1.700 mm
Cabin height	2.100 mm
Vehicle length	5.150 mm
Vehicle width	2.960 mm
Vehicle height	3.100 mm
Permitted total weight	9.300 kg
Payload	500 kg
Speed	30 km/h

# Rescuestair



## Rescuestair 7.1817

The Rescuestair is designed to rescue passengers out of an airplane that was involved in an accident, provide a safe escape path for the passengers and to provide access for rescue teams to the aircraft. It can also perform first firefighting actions.

Platform height range	3.100 - 8.500	mm
Platform dimension	2.200 x 2800	mm
Step width	1.250	mm
Height in driving mode	4.400	mm
Speed	105	km/h



The Rescuestair superstructure can be built on various different types of chassis, e.g. 4x2, 4x4 or 6x4, which are available from all the major chassis manufacturers, e.g. Mercedes-Benz, MAN, Scania or Volvo. The chassis should only comply to the following requirements:

Wheelbase	>3.900	mm
Cabin roof height	~3.000	mm
Engine power	320	kw
Front axle load	min. 9.000	kg
Top speed	105	km/h



To access smaller aircrafts the Rescuestair can optionally be equipped with an additional lifting platform at the front of the vehicle. The front platform has a height range of 1.100 - 3.100 mm.



# Lavatory Service Vehicles



## Lavatory Service Vehicles

Chassis	self-design	TEC Hünert
Toilettank capacity	1.000-3.000	ltr
Rinsingwater tank capacity	500-1.300	ltr



## Lavatory Service Vehicles

Chassis	serial, e.g. MB
Toilettank capacity	1.000-3.000 ltr
Rinsingwater tank capacity	500-1.300 ltr



## Lavatory Service Trailer

Toilettank capacity	400	ltr
Rinsingwater tank capacity	200	ltr
Max. towing speed	30	km/h



# Waterservice Vehicles



## Waterservice Vehicles

Chassis	self-design	TEC Hünert
Water tank capacity	500-4.000	ltr



## Waterservice Vehicles

Chassis	serial chassis	e.g. Mercedes-Benz
Water tank capacity	500 - 4.000	ltr



## Waterservice Trailer

Water tank capacity	400	ltr
---------------------	-----	-----

# Conveyorbelt Vehicles



Luggagelader

Chassis	Self-design	TEC Hünert
Conveyor Belt length	8.000-12.000	mm
Conveyor Belt width	840	mm
Conveyor Belt height range	1.000-4.850	mm



Luggagelader

Chassis	Serialchassis	e.g. Mercedes-Benz
Conveyor Belt length	8.000-12.000	mm



Conveyorbelt Trailer

# Transport



Luggage Trailer.

Loading area length	2.730	mm
Loading area width	1.650	mm
Loading area height	550	mm
Empty weight	550	kg
Load capacity	1.500	kg



Tire Transport Trailer

Loading capacity	6 tires, 1.200	kg
Length	4.125	mm
Width	1.560	mm
Height	1.250	mm
Empty weight	590	kg



Transport Platform for Air-Cargo-Containers

Loading capacity	5.000	kg
Length	3.350	mm
Width	2.510	mm
Height	220	mm
Empty weight	800	kg



# Transport



10 ft Pallet Trailer

Loading capacity	8.000	kg
Length	4.500	mm
Width	3.300	mm
Height	508	mm



20 ft Container Dolly

Loading capacity	20.000	kg
Length	9.500	mm
Width	2.660	mm
Height	610	mm



LD1 / LD2 / LD3 Container Dolly

Loading capacity	1.800	kg
Length	4.200	mm
Width	1.750	mm
Platform length	2.450	mm
Platform width	1.550	mm
Turning radius	7.200	mm

# Platforms



## Mobile Working Platform

Length	10.200	mm
Width	6.660	mm
Height	4.750	mm
Height lower platform	900	mm
Height upper platform	3.350	mm
Overall height incl swivel arm	6.750	mm
Load capacity	200	kg/m <sup>2</sup>
Motion distance	7.000	mm
Motion speed	50-100	mm/s



## Height-adjustable Platform

Platform length	5.045	mm
Platform width	2.085	mm
Platform handover height	1.700	mm
Permittable gross weight	3.500	kg
Additional load	1.000	kg



## Working Platform

Length	6.058	mm
Width	2.500	mm
Height	2.400	mm



# Transport



## Fuselage Section Transport Vehicle

Loading capacity	30.000 kg
Length	25.000 mm
Width	4.400 mm
Handover height	1.430 - 2.430 mm
Empty weight	57.000 kg
Speed (stage 1)	5 km/h
Speed (stage 2)	2 km/h



## Cargo Door Shell Transport Trailer

Loading capacity	1.200 kg
Length	6.230 mm
Width	4.220 mm
Height	5.240 mm
Handover height	1.430 - 2.430 mm
Empty weight	5.150 kg



## Fuselage Section Transport Trailer

Loading capacity	3.000 kg
Length	6.230 mm
Width	4.220 mm
Height	5.240 mm
Empty weight	4.000 kg



# Location

*techünert* is situated in the northern part of Germany, about 40 kilometers south of the city of Hamburg with excellent transport connection to all parts of the world.



*tech***hünert**

TEC Huenert GmbH  
Hauptstrasse 79  
D-21376 Goedenstorf  
Germany

Fon: +49 (0)4172 9696 0  
Fax: +49 (0)4172 969147

E-Mail: [info@tec-huenert.de](mailto:info@tec-huenert.de)  
Web: [www.tec-huenert.de](http://www.tec-huenert.de)  
[www.rescuestair.com](http://www.rescuestair.com)