AIRPORT LOGISTICS

AUTOMATED GUIDED VEHICLES

INCREASE THE EFFICIENCY OF YOUR TERMINAL

Flexible transportation of baggage and cargo ULDs

Lödige Industries is revolutionising the response to current challenges in air cargo handling with the introduction of intelligent automated guided vehicles (AGV) for flexible and scalable ULD transportation.

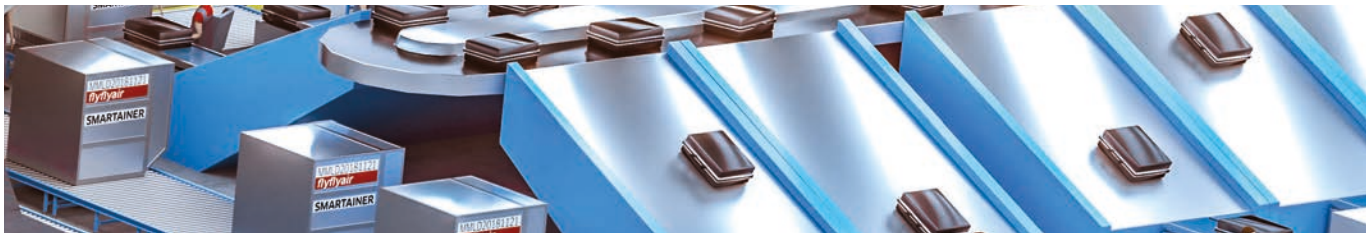
As integral element of fully automated cargo terminals, our new AGVs provide the link between import/export areas and build & break workzones as well as automated storage and retrieval systems. In manual terminals, they can enable cargo handlers to take the first step towards the benefits of automation. Quickly and easily route transportation inside your terminal. Assign routes via your warehouse management system (WMS) and reduce stationary equipment to create flexible, scalable and reliable cargo flows.

The data-based intelligence of our AGVs enables absolute accuracy and complete control over cargo flows. Reduce the potential for ULD damage, enable 24/7 operations and free workforce for higher value tasks.

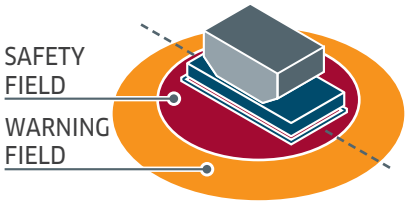
Enabling your IATA conform handling of ULDs.

AIRPORT LOGISTICS

5 ft AUTOMATED GUIDED VEHICLE

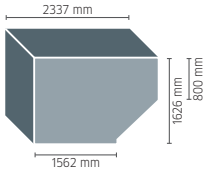


SAFETY FIELD



TRANSPORTABLE ULDS

CONTOUR C



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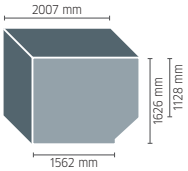
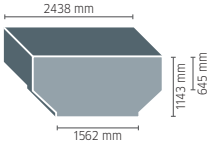


CONTOUR H



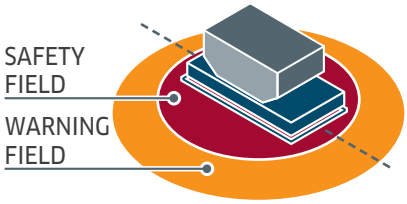
TECHNICAL DATA

Dimensions LxWxH	3,075 mm x 1,730 mm x 790 mm
Conveying height	508 mm
Load capacity	1,588 kg
Deadweight	1,400 kg
Drive technology	Omnidirectional
Drive Unit	
Drive type	2 x 2.5 kW 48V AC Motor
Max speed	1.5 (3.0) m/s
Max acceleration	0.6 m/s^2
Roller conveyor	
Drive technology	0.44 kW 48V DC Roller Drive unit
Max speed	0.3 m/s
Max acceleration	0.3 m/s^2
Power supply	
Type of battery	Li-Ion
Battery capacity	up to 220 Ah
Charging technology	Inductive charging system
Additional information	
Guidance system	Natural navigation
Network connection	WiFi
Stop precision	± 10 mm
Obstacle sensor	Laser technology
Safety	According to all relevant standards (DIN EN ISO 3691-4:2020-11, EN13849),
	2 x Laser scanner, LED indicator lights, 2 x emergency stops,
	2 x plate stops (conveyor), 2 x 360° PTZ cameras, obstacle avoidance

AIRPORT LOGISTICS

10 ft AUTOMATED GUIDED VEHICLE

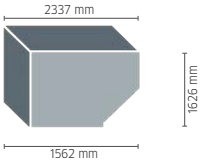
SAFETY FIELD



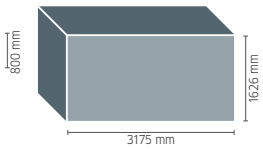
TRANSPORTABLE ULDS

TRANSPORT OF 15FT ULD POSSIBLE

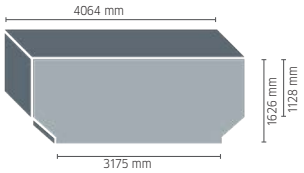
2x CONTOUR C



CONTOUR P



CONTOUR F



TECHNICAL DATA

Dimensions (NEP) LxWxH	3,790mm x 2,790mm x 570mm NEP
Dimensions (WEP) LxWxH	3,380 mm x 2,900 mm x 558 mm WEP
Transfer height	508 mm
Load capacity	6,800 kg
Deadweight	3,300 kg
Drive technology	omnidirectional

Drive Unit	
Drive type	2 x 5 kW AC Motor
Max speed	up to 3 m/s
Max acceleration	0.3 m/s^2

Roller conveyor	
Drive technology	2 x 1.1 kW Roller Deck drive units
Max speed	0.3 m/s
Max acceleration	0.3 m/s^2

Power supply	
Type of battery	Li-Ion
Battery capacity	Up to 220 Ah
Charging technology	Inductive charging system

Additional information	
Guidance system	Natural navigation
Network connection	WiFi
Stop precision	± 10 mm
Obstacle sensor	Laser technology
Safety	According to all relevant standards (DIN EN ISO 3691-4:2020-11, EN13849),
	2 x Laser scanner, LED indicator lights, emergency stops 4 x,
	2 x 360° PTZ cameras, obstacle avoidance

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