



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.

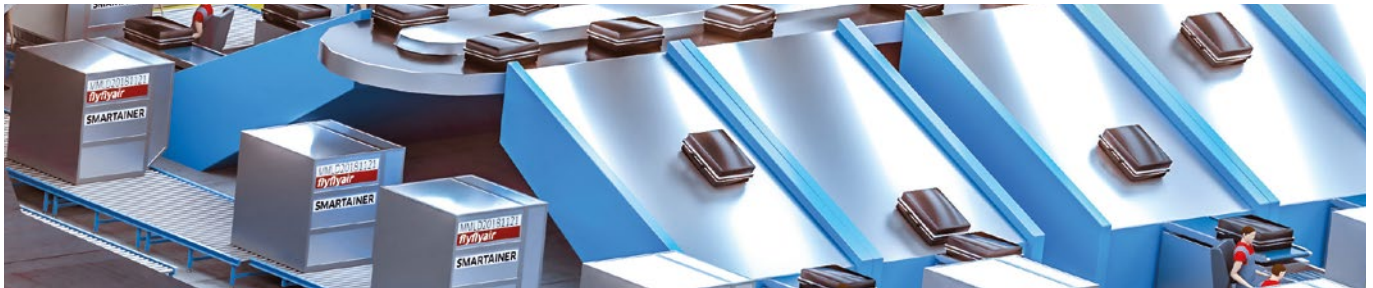
As integral element of fully automated cargo terminals, our new AGVs provide the link between import/export areas and build & break workzones as well as automated storage and retrieval systems. In manual terminals, they can enable cargo handlers to take the first step towards the benefits of

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.

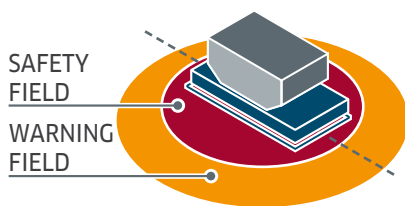
The data-based intelligence of our AGVs enables absolute accuracy and complete control over cargo flows. Reduce the potential for ULD damage, enable 24/7 operations and free workforce for higher value tasks.



5 ft AUTOMATED GUIDED VEHICLE

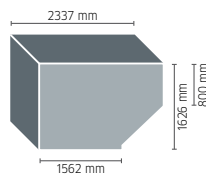


SAFETY FIELD

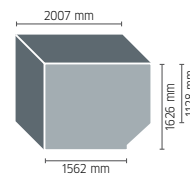


TRANSPORTABLE ULDS

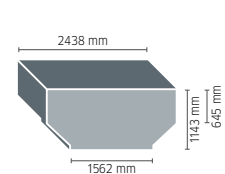
CONTOUR C



CONTOUR E



CONTOUR H



TECHNICAL DATA

Dimensions LxWxH

3,080 mm x 1,780 mm x 508 mm

Conveying height

508 mm

Load capacity

1,588 kg

Deadweight

1,500 kg

Drive technology

Omnidirectional

Drive Unit

Drive technology

2 x 2.5 kW 48V AC Motor

Max speed

1.5 (3.0) m/s

Max acceleration

0.6 m/s²

Roller conveyor

Drive technology

0.44 kW 48V DC Roller Drive

Max speed

0.3 m/s

Max acceleration

0.3 m/s²

Power supply

Type of battery

up to 16 x 48V Li-Ion

Battery capacity

up to 400Ah

Battery runtime

12 h

Additional information

Guidance system

Natural navigation

Network connection

WiFi

Stop precision

± 10mm

Obstacle sensor

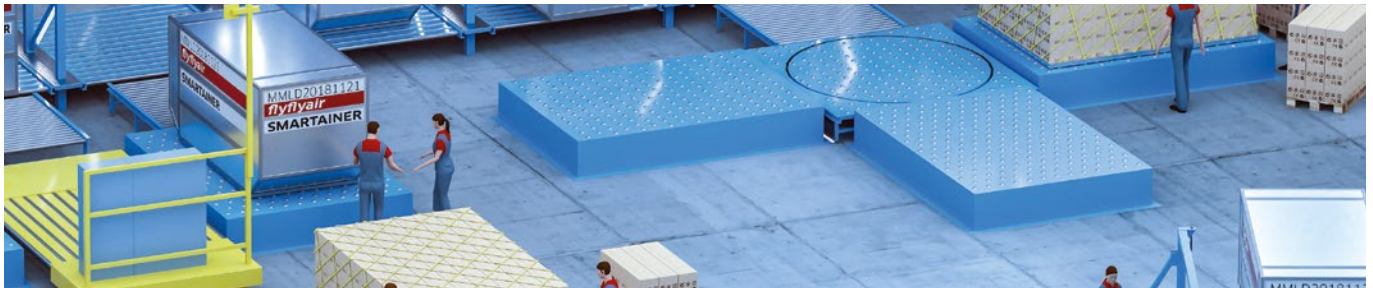
Laser technology

Safety

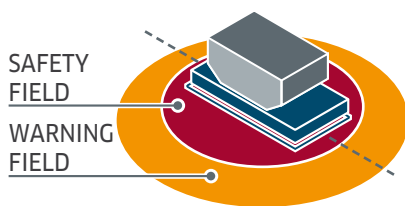
According to all relevant standards (EN 1525, EN13849), bumper, indicator lights, 2 x emergency stop, 2 x plate stops (conveyor), 360° PTZ cameras



10 ft AUTOMATED GUIDED VEHICLE

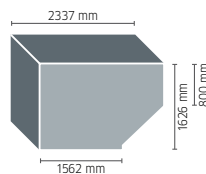


SAFETY FIELD

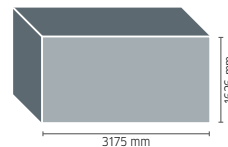


TRANSPORTABLE ULDS

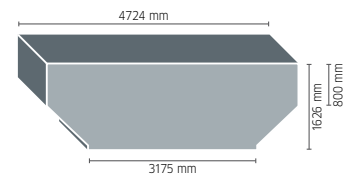
2x CONTOUR C



CONTOUR P



CONTOUR U



TECHNICAL DATA

Dimensions LxWxH	4,800 mm x 2,700 mm x 508 mm
Transfer height	508 mm
Load capacity	6,800 kg
Deadweight without battery	4,350 kg
Deadweight with battery	5,290 kg
Drive Unit	
Drive technology	8 kW 48V AC Motor
Max speed	3 m/s
Max acceleration	0.3 m/s ²
Fork arms	
Number of fork arms	3
Fork arm size LxW	2,400 mm x 320 mm
Fork arm spacing	700 mm
Power supply	
Type of battery	48V lead-acid rechargeable battery
Battery capacity	560 Ah
Battery runtime	10 h
Additional information	
Guidance system	Natural navigation
Network connection	WiFi
Stop precision	± 10mm
Obstacle sensor	Laser technology
Safety	According to all relevant standards (EN1525, EN13849), bumper, indicator lights, emergency stop, 360° PTZ cameras

