



AIRPORT  
LOGISTICS



SOLUTIONS FOR AIRPORT LOGISTICS

## Air Cargo Terminal Equipment

[WWW.LODIGE.COM](http://WWW.LODIGE.COM)





## FLEXIBLE AIR FREIGHT HANDLING

With Lödige Terminal Equipment you can handle air freight with efficiency and flexibility.

Typical benefits:

- Modular design
- Variable arrangement
- Quick installation



# LÖDIGE FLEXLOADER

The mobile all-rounder for ULD handling

The Lödige FlexLoader combines the advantages of a pallet transporter and a truck dock. The new machine can transport, raise, lower and rotate ULDs.

## FLEXLOADER | ADVANTAGES

- Attractive price - bridging the cost between forklifts and ETVs
- Mobile - build and break anywhere within the warehouse
- The FlexLoader is battery powered and is operated from a remote control panel ensuring a clear view of transported and transferred ULDs at any time
- Pallet transfer to slave pallets, workstations, lorries, powered conveyors or storage positions
- High manoeuvrability
- Environmentally friendly - battery operation
- The FlexLoader can move freely through the integrated steerable drive
- Drive directions: reverse - left and right, as well as steering ability during travel



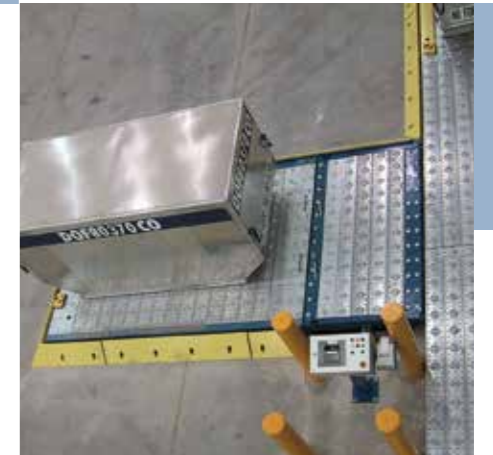
The FlexLoader XL raises to 2,985 mm high. In this way racks with two levels can be accessed.



# WORKSTATION (EWS)

Build up/Break down stations

Ergonomic working procedures are achieved using the Lödige Elevating Workstation (EWS). The EWS lifts or lowers the ULD to the optimum loading height.



## WORKSTATION | ADVANTAGES

- Robust construction
- Various transfer deck models available
- Back-up functions (emergency lowering, manual deck transfer)
- Proven hydraulic lifting technology
- Ram protection option

## EWS | TECHNICAL DATA

Lifting capacity:	6,800 kg
Collapsed height:	800 mm
Lifting stroke:	max. 2,000 mm
Lifting speed:	0.05 m/s
Drive rating:	8 kW
Tare weight:	5,000 kg
Length:	3,600 mm
Width:	2,700 mm

## FLEXLOADER | TECHNICAL DATA

Capacity:	6,800 kg
<b>Lifting height</b>	
FlexLoader L :	203 - 1,600 mm
FlexLoader XL :	203 - 2,985 mm
ULD: category max. 15 ft (baseplate size: max. 3,175 x 2,440 mm)	
Lifting speed:	max. 0.05 m/s
Driving speed:	max. 1 m/s
Conveying speed:	max. 0.3 m/s
<b>Vehicle dimensions</b>	
Length:	3,500 mm
Width:	4,430 mm
Height: FlexLoader L	2,200 mm
FlexLoader XL	3,480 mm

## DESIGNS AVAILABLE:

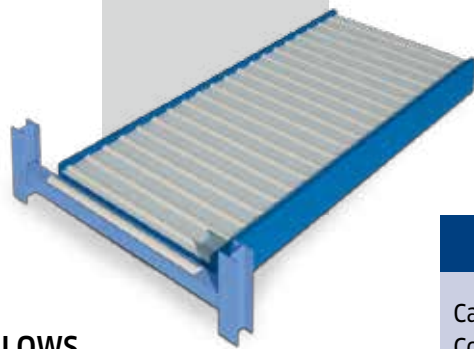
- Roller deck (NEP or WEP)
- Ball deck
- Steel plate (for use with slave pallets)
- Weighing facility
- Drive-over capability



# LÖDIGE TRUCK DOCK

Truck Dock Modular TDM-Series

The Lödige Truck Dock Modular satisfies the growing demand for a versatile, adaptable, economical scissors lift to load and unload ULD trucks and dollies.



## TRUCK DOCK MODULAR DESIGN ALLOWS

- The ability to assemble from standard “off-the-shelf” modules a unit that fits the clients requirements
- Quick and easy upgrading and retrofitting of future modules

## THE BASIC MODEL INCLUDES:

- Scissor lift assembly, hydraulic power pack and base frame (without side shift)
- Transfer deck (powered rollers)
- Control Panel

## TRANSFER DECKS (OPTIONAL):

- Ball deck
- Castor deck
- Non-powered roller decks



### TRUCK DOCK | TECHNICAL DATA

Capacity:	7,000 kg
Collapsed height:	508 mm
Stroke:	1,100 mm
Deck width:	2,700 mm
Deck length:	
TDM-10	3,600 mm
TDM-15	5,120 mm

### OPTIONAL MODULES:

- “Side shift” module (+/- 150 mm)
- Moving ram protection with powered roller (vertical guide columns set in, or on the floor)
- Operator platform(s) - 600 mm wide
- Stop, front/rear
- Weighing scales with read-out display
- Electric or hydraulic winch (500 daN pulling force)

Safety equipment (chain skirt, trip bar etc.) as required.



# SLAVE PALLET MOVER

ULD transporter

Slave Pallet Mover combined with slave pallets is the flexible and versatile system for the air cargo handling needs.



## EXAMPLES OF APPLICATIONS

- Build and break activities anywhere in the warehouse
- Import/export ULD staging
- Loading/unloading of ULDs into mechanised systems
- Loading/unloading of ULDs to and from dollies
- Flexible organisation of build and break positions
- Additional build and break positions to overcome peaks

## OPTIONAL FEATURES

- Safety canopy
- Warning horn & light
- Battery changing cradle
- Electrically steering
- Panoramic mirror
- Working lights



### SLAVE PALLET MOVER | TECHNICAL DATA

Payload:	7,500 kg
ULD (incl. wing container):	max. 10 ft
Max. lifting speed:	0.025 m/s
Max. lifting stroke:	455 mm
Drive power:	15 kW
Overall size (l x w):	4,130 x 1,720 mm
Turning radius:	3,700 mm
Number of fork arms:	3
Fork arm size (l x w):	2,400 x 320 mm
Fork arm spacing:	700 mm
Battery operation time:	8 to 10 h
Battery recharging time:	Ca. 8 h



Battery changing cradle for the quickest changing of an empty battery for a fully charged one. The unit consists of the base frame with height adjustable feet and a sliding battery tray. The battery charger is located at one end of the base frame.





# SLAVE PALLETS & MANUAL HANDLING AREAS

Slave pallets and manual handling areas support the safe and simple handling of ULDs.



Castor Deck



Slave Pallet with rollers

## REFERENCES TERMINAL EQUIPMENT

- Aeroporti Rom
- Avia-Partner
- British Airways
- Cargo Centre Sweden
- Swissport
- CSC
- D.Logistics
- Flightcare
- Huffer
- KLM
- Lufthansa
- Malaysia Airlines
- Menzies
- Polar Air
- Port Ground
- Skylink



### LÖDIGE SLAVE PALLETS (10 FT)

- The pallet can be picked up from all four sides and is stackable
- In accordance with IATA AHM 911
- Manual stops to retain container on the pallet (Raised position: 50 mm above the pallet height)
- The fixed side guides on the long sides provide ULD guidance. Through the 25 mm height above the roll plane the ULDs are held safely and do not provide a hindrance during build and break operations of an ULD using fork lift vehicles
- Designed with rollers and balls
- Capacity: 6,800 kg
- Length: 3,600 mm, width: 2,600 mm
- Height of transfer plane: 203.2 mm



Manual Handling Areas  
BALL MAT - Modular Grating Type

### MANUAL HANDLING AREAS

On the manual handling areas ULDs can be moved easily. You can set up flexible flat storage for ULDs or use the space as transport and delivery areas.

- Modular design
- From 10 m<sup>2</sup> to 5,000 m<sup>2</sup> and beyond
- Elements are designed according to the project specific requirements
- Workstations and Truck Docks can be integrated into/onto the work surface
- Designed with rollers, balls or castors



Manual Handling Areas  
BALL MAT - Modular Steel Channel Type



