

Very low maintenance power for the future

SERIES

**MULTIDIRECTIONAL
SIDELOADER**

2100

AC technology

Carrying capacity: up to 2500 kg
Lifting height: up to 5500 mm



World-class solutions to logistics problems!

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Features



Sturdy design:

The series 2100 is a very compact and manoeuvrable all-purpose silder loader with multidirectional steering for the handling of long loads and pallets in confined areas. Customers from a diverse range of applications around the world trust in the proven HUBTEX technology used in this truck.

Three-wheel design incorporates an articulated frame with 1 drive motor and 2 double load-wheels compensate for uneven surfaces.

With Vulkollan tyres for internal use or optional softer Pevopur tyres allow certain controlled exterior use.



Further advantages include::

- Extremely low loadbed height gives improved utilization of warehouse height
- Reduced aisle width with optional roller guidance requires only 100 mm safety clearance per side between truck and racking
- Fast cycle times are achieved with powerful 48 V, high torque AC drive and hydraulic motors
- Stable, strong lift mast with internally reeved hydraulics (no hose reels) are manufactured 'in house' and have a high reserve of load capacity, even where large load centres are involved
- Maintenance-free electronic regenerative braking through solid state Mosfet controllers ensures maximum utilization of battery power
- Long-term reliability and reduced running costs with high quality proprietary components from well-established industrial suppliers
- Ergonomically designed drawbar head

Hand lever control valves:

All main driving and hydraulic functions, such as lift and lower, mast reach and fork tilt, plus optional fork positioning and teleforks are controlled from hand lever control valves.



Model Basic capacity

MDS 15	1500 kg
MDS 20	2000 kg
MDS 25	2500 kg



Ergonomics

Extremely easy to steer:

Working with the series 2100 is a real pleasure. Everything is clearly arranged and easily accessible. With the easy to handle, sensitive and electronic 3-wheel steering the truck is extremely easy to steer. It is no longer necessary to make time-consuming manoeuvres.



Ergonomically designed drawbar head

Equipment

- › Battery controller with operation hours counter and display
- › Automatic travelling at low speed in case of low battery level
- › Smooth fork tilt by means of hand lever control valves
- › Signal horn
- › Main current safety switch EMERGENCY STOP
- › Safety button with automatic back run and stop afterwards
- › Running wheels out of PEVOPUR

Special equipment:

- › Hydraulic fork tilt
- › Long load stacker III
- › Hydraulic fork adjustment
- › Monomast
- › Duplexmast with free lift
- › Triplexmast with free lift

New Generation AC Technology

Three-phase technology:

Based on the very latest motor the MDS is equipped with a powerful 48 V three-phase AC drive motor and a three-phase pump, which offers further advantages such as:



Service access hydraulic system

- › Maintenance-free enclosed motor construction with improved protection against moisture and dirt, especially suitable for outdoor application, even in poor weather conditions
- › Heavy-duty high torque motor ensures optimum control. Starting on a gradient is no problem for the MDS truck. An 'Anti-Rollback' feature ensures safety and gives the driver confidence
- › Higher final speed and better acceleration
- › Lower noise level
- › Precise driving speed control for accurate positioning
- › No carbon brushes or electric contactors means substantially reduced operating costs
- › No carbon brushes means no danger of motor damage from bad service regimes
- › Solid state Mosfet control (without contactors) means reduced maintenance and improved long term reliability

Maintenance

Modern 3-phase brushless drive motors and regenerative braking ensure fast smooth acceleration and deceleration while giving unrivalled economy of battery power. With no motor brushes or brake linings, service costs are appreciably lower and reliably improved. Modular construction of HUBTEX trucks ensures easy access for servicing and repairs even in narrow aisle situations.

All assemblies are easily accessible reducing downtime and improving service engineer acceptance

Quality and Safety



All HUBTEX trucks are built to the highest **DIN EN ISO 9001:2000** possible quality and safety standards and **Zertifikat: 01 100 006260** HUBTEX is a DIN EN ISO 9001:2000 certified company.

Other standards including:

- › Full compliance with existing and all known future CE regulations
- › All sideloaders have a full stability test to EN 1726-1 before delivery
- › Hydraulic overload protection and load locking valves in lift cylinders
- › Quality welding to DIN 18 800 and to the highly acclaimed welding safety certificate DIN 15 018



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TECHNICAL DETAILS

Height over cabin:	Sh	1260 mm
Frame length:	L	2110 mm
Width till face of fork:	b	740 mm
Loadbed width:	NB	800–1400 mm
Frame width (to NB 1200 mm):	B	1940 mm
Mast reach:	V	NB + 50 mm
Height over loadarm:	Rh	375 mm
Reach channel:	Ra	1340 mm
Clearance:		100 mm
Degree of lock:	Wr	1450 mm

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