

PALLET TRUCKS

TCM
Trusted Partner


SAFETY


EFFICIENCY


COMFORT



TCM
Always Evolving

REDEFINING THE
CONCEPT OF EFFICIENCY

TCM



Especially developed to provide our customers with the most reliable and efficient technology in daily operation, TCM warehouse trucks have been designed to meet the most challenging requirements even in the most demanding environments.



SAFETY

Integral to our trucks. Standardising safety on our trucks leads to safer working environments with less accidents.



EFFICIENCY

Industry leading performance. Creating efficiencies utilising new technologies.



COMFORT

Considering the operator to increase your productivity. Features designed to minimise your total cost of operation.



OFFSET TILLER ARM FOR SAFE OPERATION



TCM's ergonomically designed tiller arm on walkie trucks makes it possible for the operator to walk beside the truck.

This gives full visibility over the fork and load, and it reduces the risk of foot injuries. All controls are at the operator's fingertips.

MAX UPTIME IS IN THE DNA

Sharing many components, all TCM trucks are modularly built on flexible technical platforms. This means fewer components are used, which contributes to 98% uptime for your operations. And by only having to deal with a limited number of components, our mobile service engineers can complete over 95% of all repairs on the first visit.

ONBOARD TRUCK MANAGEMENT

The control panel at the tiller arm clearly displays information on battery status, hour meter, date, clock and warning messages. The TCM truck computer has built-in service functions to reduce downtime, but it is also easy to change performance settings based on the operator's skill and experience.

FRICITION FORCE TECHNOLOGY FOR CONSTANT GROUND CONTACT



TCM's patented linkage design ensures that all the wheels – and in particular the drive wheel – always have ground contact. The

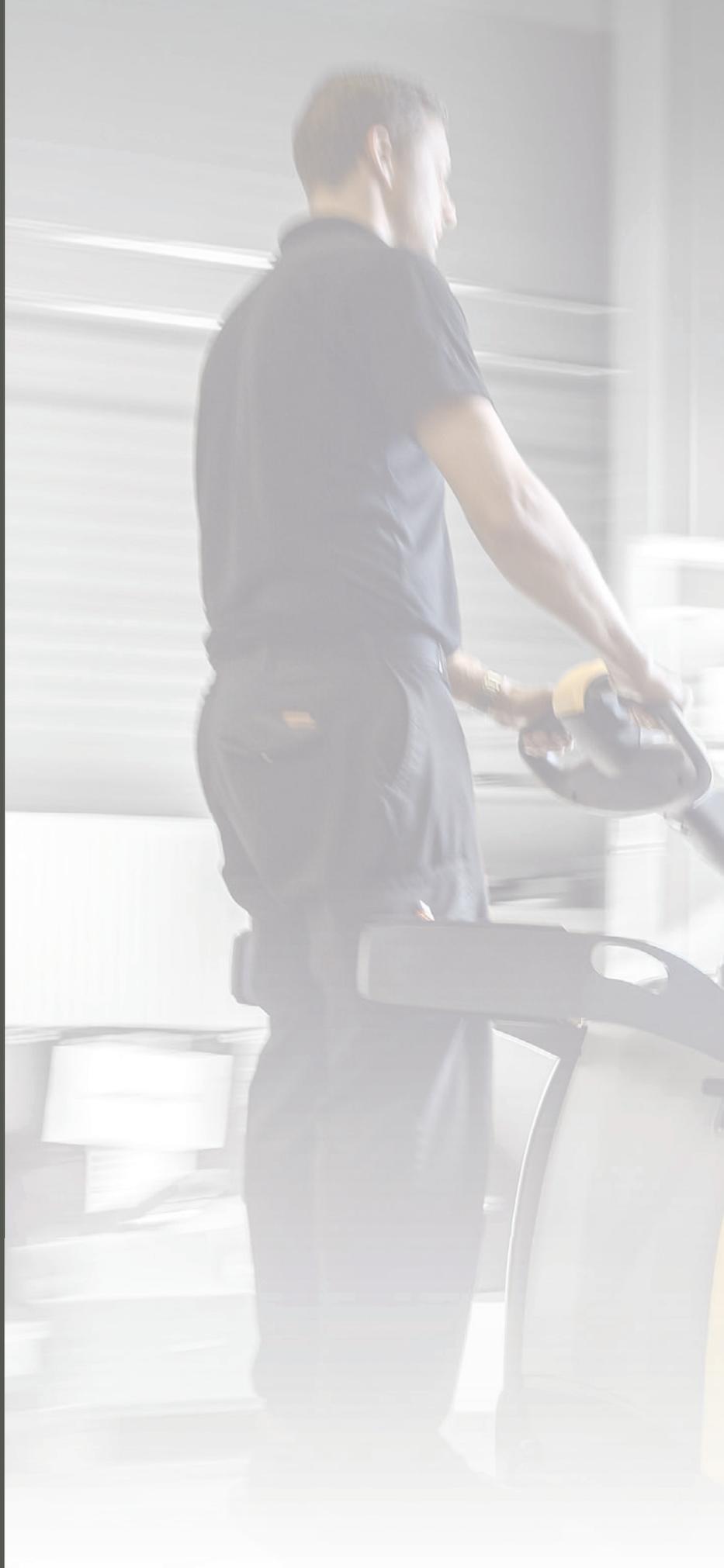
truck carries the load safely, even on bumpy surfaces and ramps. And despite the narrow chassis, this design also makes the truck laterally firm and stable.

POWERFUL AC MOTOR

The energy-efficient AC motor ensures that the truck responds to the slightest command from the operator, while regenerative braking saves energy and provides good braking capability. This gives the operator total control of acceleration and braking, even on slopes.

PERSONAL PIN-CODE SETTINGS

The PIN-code-protected settings ensure that the operator has access to the right performance depending on driving skills, and they also prevent unauthorised use.



ROBUST TRUCKS

FOR HIGH PRODUCTIVITY

Manage your pallet loads with power and ease. All the way – from the shop floor to heavy-duty industrial environments – there’s an TCM truck designed for your needs. You’ll easily create a truck fleet that will safeguard your operations. And featuring advanced technology and ergonomics, our family of low lifters will get the job done in all conditions. What’s more, smart modular design using fewer components maximises uptime and contributes to low life-cycle costs.



MODEL		PTL		PTE	PTR		PTM	LLR		LLS	
		180	200		200	250	200	200	300	200	300
LIFT CAPACITY	kg	1800	2000	800/1800	2000	2500	2000	2000	3000	2000	3000
LOAD CENTRE	mm	600	600	600	600	600	600	600	600	600	600
TRUCK WIDTH	mm	660	660	660	770	770	770	940	940	1010	1010

PTL Pallet Truck Light Pedestrian

Pedestrian pallet transporter for short distance travel, ideal for loading and unloading transport, small warehouse and production floor work, feeding, storage and occasional order picking.

Excellent manoeuvrability to work in tight spaces. Two models – 1800 kg and 2000 kg lift capacity, with batteries from 160 to 230 Ah. A “bounceback” safety cut-out function prevents the operator from accidentally reversing the truck into himself, while PIN code access ensures further security for the truck and workplace, operating parameters can be programmed to each access code according to load conditions or driver experience.

AC TECH power guarantees instant response to the operator’s slightest command, with TCM’s truck computer onboard for precise truck control and diagnostics. Options include a built-in battery charger, tiller-up drive for confined spaces, codeless key switch operation and cold store design and protection to -35°C.

FOUR-POINT CHASSIS

A unique four-point chassis design creates a “flexible” connection between the PTL’s motor drive unit and its load chassis, giving maximum traction when the truck is operating at different levels, such as between ramp and transport or on uneven surfaces.

ERGONOMICAL DESIGN

The ergonomically-designed tiller arm is suitable for right and left handed operation, with fingertip control of all truck functions. The water-resistant illuminated LCD display shows information on battery status, hours run, clock, operational data and warning messages.

COMPACT DESIGN

At just 600 mm wide, with its extreme manoeuvrability, the compact shape and design of the TCM PTL makes it the ideal choice for use where space is tight – stores, in the loading bay and on transport. An option allowing the truck to operate slowly with its tiller in the upright position increases its space saving versatility.



1 | SAFE WALKING

The PTL’s tiller arm is purposely offset, providing the operator with better safety and fork visibility and greater comfort.

PTE Pallet Truck Light Pedestrian with forklift

TWO PALLETS AT A TIME

To ensure your operational efficiency, the PTE can even handle two pallets at a time – one on the forks and one on the straddles. This also contributes to a comfortable and ergonomic picking height and operation.

TWO TRUCKS IN ONE

This compact pedestrian truck features dual functionality: a low lifter for heavy loads and an ergonomic lift function for picking. Perfect for shop floor restocking, order picking and short-distance internal transport, for example in smaller warehouses, supermarkets and production areas.

ERGONOMIC TILLER ARM

The offset tiller arm with an integrated control panel adds to the operator's comfort and safety. Improved ergonomics and easy access to all data needed for operating the truck enhance both working conditions and productivity.



2 | PERSONAL PIN-CODE SETTINGS

The PIN-code settings ensure that each operator has his/her own personal parameters logged in and that no unauthorised operator has access to the truck.

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PTR Pallet Truck Ride On

Stand-on, low-lift pallet transporter for medium to long distance travel, loading and unloading transport using dock levellers and occasional low level order picking. Robust chassis construction for medium to high intensity operations.

Two models – 2000 kg and 2500 kg lift capacity, with batteries from 200 to 400 Ah for the 2000 kg version and 300 to 600 Ah for the 2500 kg model. Power assisted tiller arm standard on 2500 kg model. AC technology provides total control, with TCM's truck computer for diagnostics and a host of features to increase safety and productivity.

PIN code protection restricts truck access to authorised operators, with operating parameters programmable for up to 100 drivers. Session log records the 30 most recent start ups with date and time to trace truck users. Options include various battery capacities, operator protected platform and load guards for increased security and cold store protection to -35°C.

3 | FRICTION FORCE

This patented technology ensures that the drive wheel has contact with the floor all the time. This design allows the truck to transport the load safe and secure.

3 | BUILT-IN BATTERY ROLLERS

Large battery capacity gives extra power to the PTR's working shift, with battery rollers built in for a fast, safe changeover.



4 | FOLDING PLATFORM

The PTR's folding platform gives the operator the option to stand on or walk with the truck according to the application. With five wheels in constant contact with the ground, the PTR offers maximum load stability.



VARIABLE SPEEDS

With the platform (and sidebars) folded, speeds are reduced for pedestrian operation, while manoeuvrability is increased. In stand-on mode, the platform is sprung-loaded for operator comfort and truck speed is increased for longer distance travel.



PAL Pallet Truck with Centre Tiller Arm

The TCM PAL is a high-performance low lifter truck equipped with a 5-point chassis that gives complete stability even at high speed.

It has been developed for non-stop performance in the most challenging environments, and its robust construction offers durability in all working conditions. The compact design allows complete manoeuvrability in tight spaces, and the PAL is perfectly suited to loading/unloading, internal transport and general warehousing duties.

The low chassis helps to prevent foot injuries. Easy battery changes makes these trucks the perfect partners in extended work cycles and multi-shift operations. For users wanting to maximise efficiency and productivity, there's even a double pallet configuration. With a broad range of fork solutions, the cost-efficient PAL truck manages almost any conceivable load in high-intensity applications with ease. Its oil-filled, sealed transmission is shock-resistant, quiet and requires very little maintenance. High stability is ensured by use of two linked castor wheels, next to the all-important central drive wheel, in addition to the two load wheels.



OPTIMISED PERFORMANCE

Making material handling very cost effective, the powerful AC motor gives high top speeds, allowing fast throughput and high cycle times.



5 | EASY BATTERY CHANGES

For multi-shift applications, the high-capacity battery is placed on rollers, for quick, easy changes.



6 | TAILORED PERFORMANCE

To enhance safety, the truck's performance can be set to suit each application. The onboard computer also allows you to optimise your fleet with detailed operational data.

PTM Pallet Truck Ride On

SOLUTIONS FOR YOUR NEEDS

Fitting computers, scanners or other things are easy with optional Equipment bar with RAM holders and 12V power supply.

BATTERY CHANGE WITH EASE

PTM comes with steel battery rollers as standard for quick and easy change of battery in multi-shift operations.

TRACTION AND POWER

Friction Force is the solution to ensure high performance in any loading / unloading and high speed traveling application. Energy efficient AC drive motors with high power output provides high speed even with heavy loads for maximum productivity.

OPTIONAL PROTECTED DRIVER PLATFORM

The foldable platform is cast in one piece for maximum strength and is well dampened, which reassures perfect comfort for the driver. Easily foldable side protection bars comes as standard for increased drive speed and safety. Side- or rear entry protected driver platforms are available as option. Power steering is optional which further enhances comfort.



LLR/LLS Low Lifter Ride/Sit On

Probably the best developed stand-on pallet transporter available, the LLR is ideal for medium to long distance travel and for medium to high intensity work patterns.

Two chassis types, with lift capacity of 2000 kg and battery options from 240 to 750 Ah to suit different operational requirements.

At just 940 mm wide, the LLR is extremely manoeuvrable, with four-wheel configuration and constant ground contact for maximum stability. Double bogie load wheels on the forks allow easy pallet entry. AC technology guarantees instant response to the operator's slightest command, supported by electric power steering for pinpoint accuracy.

TOP SPEED

Produced specifically for long and very long distance travel within the warehouse or factory, the LLS's top speed is considerably higher than its pedestrian and stand-on stablemates.

LONG FORKS

Take advantage of the long-forks (lengths from 1000 mm to 2375 mm and widths from 480 mm to 730 mm) to transport two pallet loads at a time, still at an impressive travel speed.

7 | EASY MAINTENANCE

Easy accessibility makes daily maintenance checks quick and simple, while proven parts are rapidly available and service is fast for minimum downtime.



OPTIONS

Options include various wheel and tyre types for different applications; and battery changeover trolley. An overhead guard with additional features is available for increased operator safety, with further designs for cold store protection to -35°C.

Side-on seating with adjustable seat- and floor height, provides a safe, protected working environment with excellent visibility. A mini steering wheel adds to operator comfort, while PIN-code access restricts truck use to authorised personnel.

