

Unique stand-in and sit-on stackers for increased safety in tight spaces

SFO/SSO 1.2-2.0 tonnes

TCM
Trusted Partner


SAFETY


EFFICIENCY


COMFORT



TCM
Always Evolving

Stand-in and Sit-on Stackers

SRO/SSO 1.2-2.0 tonnes

Optimised for very narrow aisle stacking, the unique stand-in and sit-on stacker trucks, only from TCM, are changing the way businesses are operating.

The SRO boasts a 10% smaller footprint* than other stackers with load capacities of 1250 kg, 1600 kg and 2000 kg.

The SSO has an AST of 2.5 m and offers load capacities of 1600 kg and 2000 kg. Both models offer lift heights of up to 7 metres.

*AST of 2.3 metres represents space saving on average warehouse



REDEFINING AGILITY, PERFORMANCE & EFFICIENCY

- **Small turning circle** - ideal for tight spaces.
- **Energy-efficient AC drive motor with more torque and no carbon brushes** - highly responsive and easy to control reducing operator errors and damages, with less need for servicing.
- **Combi-controller lift system** - smooth and effortlessly controlled lifting and lowering, up to 7 metres - for even greater operational efficiency.
- **Quiet running** with speed regulated DC lift motor pump.
- **Simultaneous hydraulic functions**, forks and stabilisers - increasing safety and productivity.



EFFICIENCY



DESIGNED FOR EASY MAINTAINENCE

- **Excellent floor clearance** - no contact with machine housing on uneven floor or ramps, reducing damage and speeding operations.
- **Easy-access battery compartment** - encouraging regular check ups.
- **Hinged and removable machine house cover** - for excellent access to the motor compartment even in narrow spaces. Authorised service technicians able to stand in the truck with a fully open cover for troubleshooting and maintenance work.
- **Easy access for maintenance, sealed connectors and sensors** - long service intervals reduce maintenance and improve uptime.



MAINTENANCE-FREE FULLY INTEGRATED LI-ION TECHNOLOGY

- **Li-ION battery option** - delivers a highly efficient and heavy duty performance, with a staggering 25% extra battery time ideal for intense 24/7 operations.
- **Simple and fail safe battery lock** - for swift and confident battery changes. Battery lock can only be unlocked when battery plug is disconnected. Battery plug can only be reconnected if battery is locked.
- **Easy charging options** to suit all applications, with common changing equipment across the TCM range.
- **Lead-acid battery option** - easy charging to suit all applications including a Plug'n'Go opportunity charge.



WIDE STRADDLE MODEL

- **Width adjustable, low-profile forged forks** for safe and easy lifting between the straddle legs at floor level. Especially suited to handling bottom boarded pallets.
- **Standard FEM type fork carriage** can accommodate the fitment of specialised load handling attachments.



OPTIONS INCLUDE:

- HD heavy duty AC motor
- Different drive wheel options
- Level selector
- Level Assistance System
- Laser fork height indicator
- 360° steering
- Load backrest

Li-ION



LONGER LIFE



HIGHER EFFICIENCY



LONGER RUNTIME



CONSISTENT PERFORMANCE



FASTER CHARGING



NO MAINTENANCE




INBUILT PROTECTION

Lithium-ion batteries can offer real advantages over lead-acid batteries, particularly in high energy, multi-shift, and 24/7 applications. When it comes to Total Cost of Ownership (TCO), TCM can advise you on the most cost-effective energy solution you will need to meet all your operational requirements.

SRO/SSO

INTEGRAL COMFORT FROM START TO FINISH

From low step entry points to adjustable armrests and easy-to-reach controls, improving comfort reduces operator stress and fatigue for improved productivity.

-  **Low entry step height and excellent floor vibration damping (SRO)** - reducing operator stress and fatigue.
- Optical presence sensor (SRO)** - promoting a variable working position with reduced stress and fatigue on the drivers left foot. Lifting the foot slightly won't trigger automatic braking.
- Adjustable steering controls** - refining height and rotation to achieve the most relaxed position for each operator, reducing stress and fatigue.
- Adjustable ergonomic armrest** - easily adjusts to each user with quick release handles and endless combinations for every body shape and application.
- Well positioned controls and buttons** - for easy reach and control.
- Ergonomic speed control for intuitive, precision handling** - thumbwheel throttle for effortless speed control even with thumb and index finger. Cleverly designed for simultaneous functions and workflow.



OPTIONS INCLUDE:

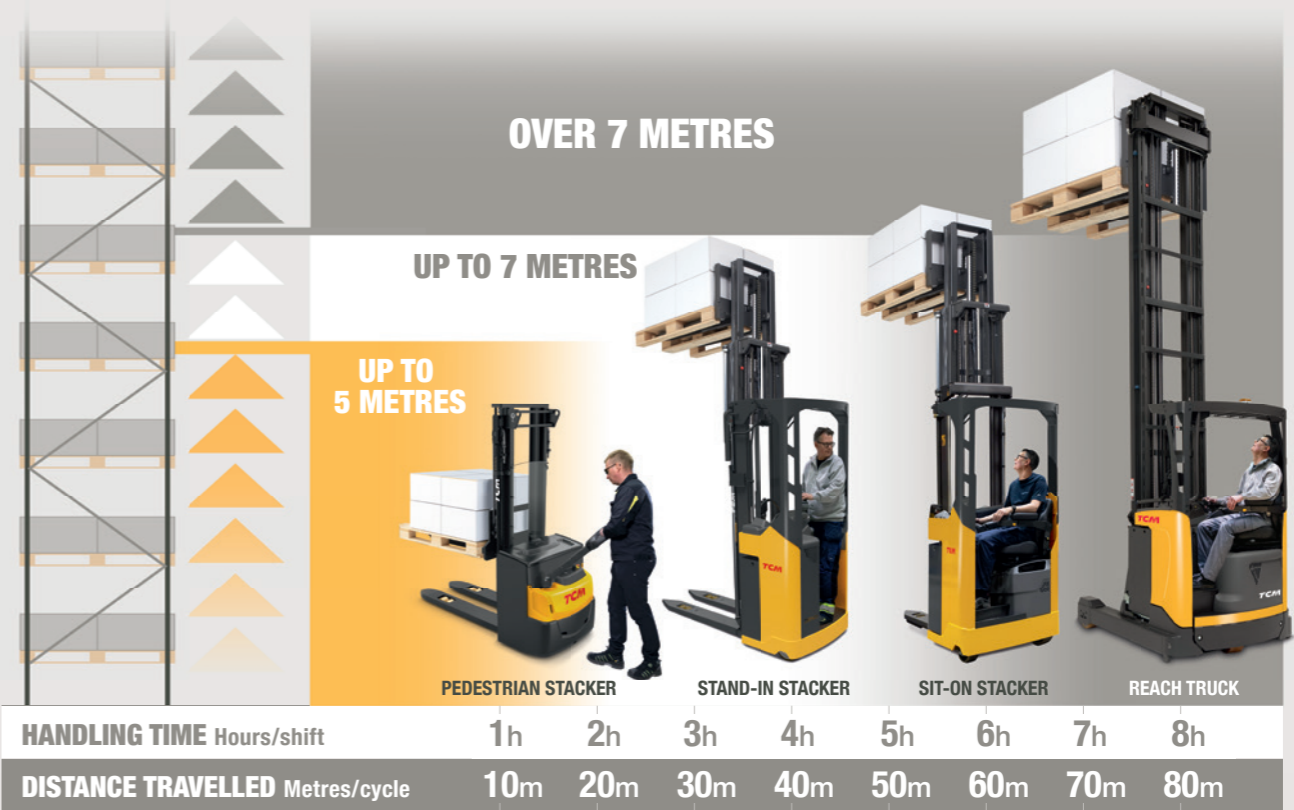
- Rear view mirror
- Equipment bar
- RAM Holder size C or D
- Writing desk
- Comfort floor mat
- Foot position laser sensor (SRO)
- Load weight indicator
- 5V (USB) and 12 V (DC) power sockets
- Adjustable floor height (SSO)
- Midi steering wheel (SSO)
- Foldable seat (SRO)
- Service and drive alarms



MODEL USAGE GUIDE

Selecting the correct stacker to suit your application can greatly reduce your total cost of ownership.

Recommendations based on lift height, continuous handling times and distance travelled per cycle. Ergonomics and performance are considered.



All figures are approximate and may vary - for illustration purposes only



SRO/SSO

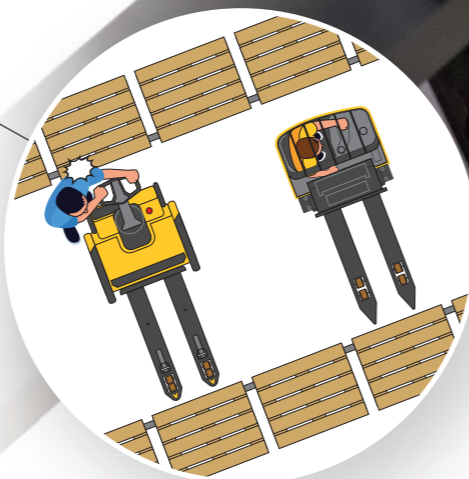
UNRIVALLED SAFETY AND OPERATOR CONFIDENCE

TCM stand-in and sit-on stacker success is rooted in operating safely and space efficiently in narrow aisles and tight spaces.

Designed to keep the driver within the safety of the machine perimeters, TCM have developed specific features for variable working positions, to improve performance and ultimately keep the operator secure in the driver compartment.

SAFETY WITH VISION

- Comfortable and cushioned support from the pillar behind the driver and arm support.
- Uninterrupted visibility - The pillar in front of the driver has visibility slots to avoid blind spots.
- SRO overhead guard available in 3 heights: 2310mm standard and optional +150mm or -160mm.



360°

VISIBILITY

- Excellent view over the forks with tips clearly visible - reducing the risk of damage. Good view maintained through the mast and fork carriage - for increased productivity and accuracy.



OPTIONS INCLUDE:

- Side stabilisers - dual load rating
- Overhead guard choices incl. transparent (panoramic) or mesh
- LED working and safety light packages
- Service and drive alarms
- Camera and monitor
- Cold store design (-30°)
- Auto log off



STABILITY & PRECISION CONTROL

- Electric, highly responsive power steering - sensitivity adjusts to the travel speed. The sensitivity is high at low travel speed and less at high speed. The feature allows precise control when manoeuvring at low speed while providing excellent stability at high speed straight travel.
- Cornering control - calculates and adjusts speeds according to the steering angle, for safe and quick handling, minimising the risk of accidents.
- Side stabilisers, side castor wheels and straddle lifts for even greater load security (option).

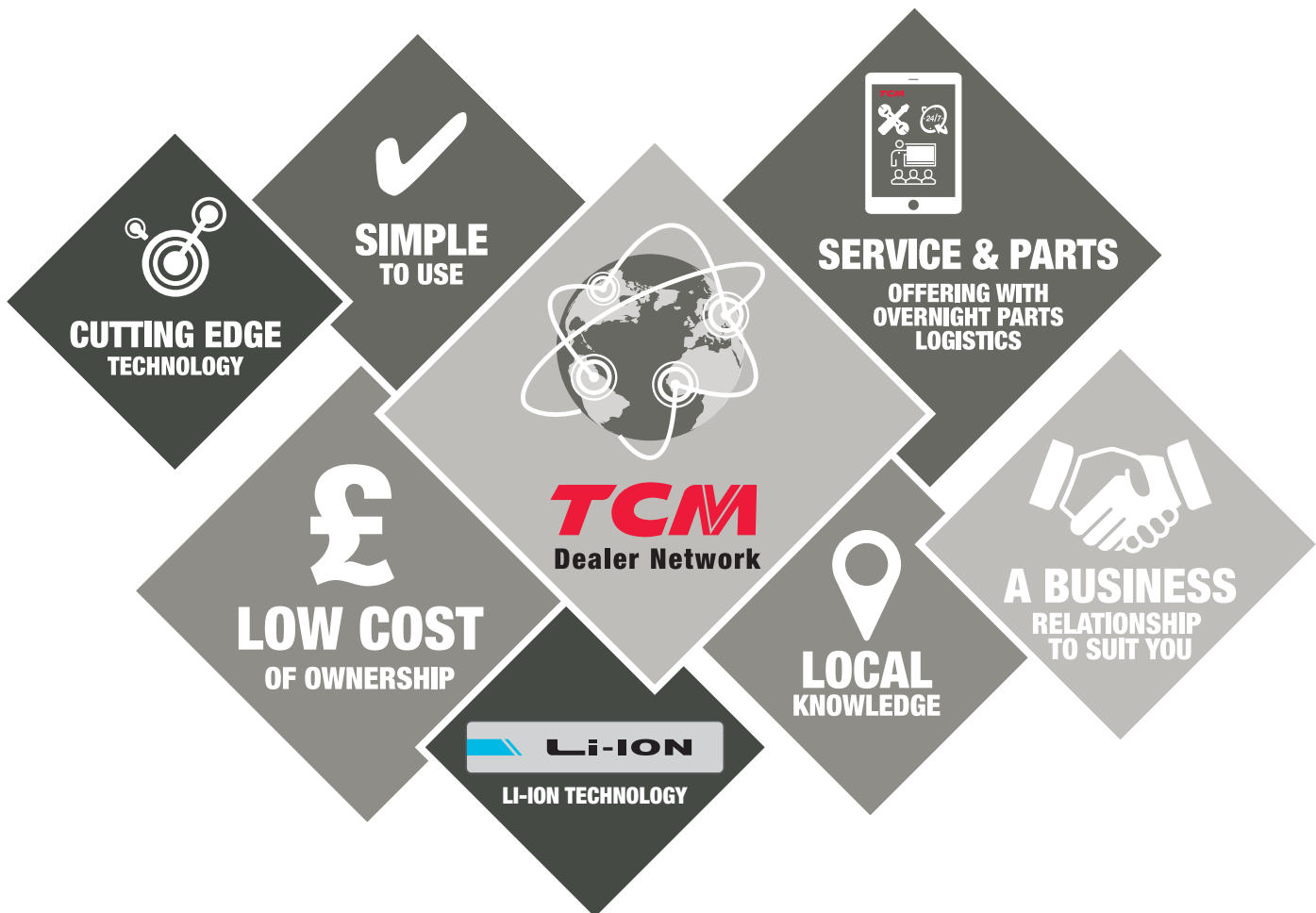


CLEAR AND INFORMATIVE DISPLAY

Advanced on-board computer well positioned for durability and clarity of message - CAN Bus and two different HMI (Human Machine Interface) displays.

- Standard display (BDI) Battery status and hour meter, error codes, truck mode, drive speeds fork position dependant.
- Optional multi-function display - includes up to 100 Operator ID's with secure PIN Code access, 3 driver settings to suit applications and experience levels:
 - PRO** - For advanced drivers in intensive operation.
 - ECO** - Optimised settings for lowest energy consumption combined with high productivity.
 - EASY** - Perfect for sensitive goods handling or beginner mode. (drive speed max 8 km/h and softer braking and slower acceleration).





STAND-IN & SIT-ON STACKERS

MODEL	LIFT CAPACITY KG	TRUCK WIDTH MM	INITIAL LIFT* MM	MAX LIFT HEIGHT MM
SRO12-N2	1250	940	-	4190
SRO16-N2	1600	940	-	7000
SRO20-N2	2000	940	-	7000
SRO12(I)-N2	1250	940	203	4190
SRO16(I)-N2	1600	940	203	7000
SRO20(I)-N2	2000	940	203	7000
SRO16(S)-N2	1600	1315	-	7000
SRO20(S)-N2	2000	1315	-	7000
SSO16-N2	1600	1010	-	7000
SSO20-N2	2000	1010	-	7000
SSO16(I)-N2	1600	1010	203	7000
SSO20(I)-N2	2000	1010	203	7000
SSO16(S)-N2	1600	1315	-	7000
SSO20(S)-N2	2000	1315	-	7000



* height from ground level

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