

BT optio

1.0 – 2.5 tonne
Order Picking Trucks





L-series



L-series



L-series



M-series



H-series

BT Optio – *the complete* range of order picking trucks

Productivity – Safety – Driveability – Durability

Order picking is one of the most progressive stages of the logistics chain, continually responding to increasing consumer expectations and demanding business needs. This can be attributed both in terms of increasing numbers of product lines to be stored, and faster delivery rates. The BT Optio range has been carefully developed to meet the most challenging demands at all picking heights, and is designed to work effectively in chilled environments.

The latest family of low level order picking trucks from Toyota is the BT Optio **L-series**. This wide range of trucks has been developed to respond to all types of demand when working at first and second levels. Multiple consignment handling is possible with the longest forks in their class. This includes models with waist-height forks for improved ergonomics in the handling process. A *Smooth Operator* design concept means that these machines are built to maximise the overall performance of the people involved in the order picking process.

The BT Optio **M-series** range allows picking up to 6.3 metres, increasing the number of picking faces within an operation. Elevating forks allow easy placement of picked items on to the pallet.

The all-new BT Optio **H-series** offers picking heights up to 12 metres – the highest available on the market today. This advanced machine offers high travel speed, acceleration rate, high lift/lower speeds, plus a host of advanced safety features, to take order picking to the next level.

The ability to pick individual items at height creates increased flexibility, but working at height also demands increased safety features. BT Optipace electronically optimises speed, acceleration and braking according to the truck's elevation. This means that acceleration rates and travel speeds are maximised within safe limits when working at height. The Toyota *Smooth Operator* concept for order picking extends to these high-lift models giving a series of advantages for maximum productivity.

BT Optio L-series

Advanced design for driveability

The latest range of BT Optio L-series low-level order picking trucks has been developed to offer the highest performance standards from both man and machine. The range provides a complete choice of models for first and second-level picking with a wide range of configurations, including many options for waist-level picking. The option of exceptionally long fork units facilitates multiple load handling to further maximise productivity.

BT Powerdrive

The BT Optio L-series family features the BT Powerdrive motor control system with AC power. A central processor monitors and controls the performance of the truck resulting in super-smooth control at all speeds.

Energy efficiency

Every time the truck decelerates or the brakes are applied energy is passed directly back to the battery, allowing long working shifts on a single charge. For multiple shift operations the BT Optio L-series is designed for fast and easy battery change.

Smooth Operator concept

The BT Optio L-series has been designed around a *Smooth Operator* concept, in order to provide maximum effective support to the operator undertaking the task of picking the goods. This means providing a comfortable and easy-to-use workplace, that is well organised and efficient:

Low step-in

The operator will be stepping on and off the truck hundreds of times every day. The BT Optio L-series has a very low step-in height, reducing fatigue and enhancing productivity.

Adaptable backrest

The backrest is fully adjustable to adapt to the operator, providing a comfortable driving position, reducing strain to the back or neck in demanding operations.

E-man control system

The E-man control system on BT Optio L-series models



BT Optio's low step-in height reduces the strain of repeatedly stepping into and out of the truck. The floor is suspended to reduce vibration, helping some applications meet legislative requirements

is based on an extremely flexible steering arm with touch-sensitive activation of drive, lift and lower functions and effortless electronic steering. The steering arm is designed to follow the operator's position. It can be moved left and right to allow pedestrian control, walking alongside, and if the truck is equipped with an elevating operator platform the steering arm elevates correspondingly. This allows simple and efficient driving of the truck in all conditions.

Streamlined administration

Efficient administration is essential in order picking and the BT Optio L-series provides a very effective mobile office, with several storage compartments to allow organised working. The truck is also prepared for a shrink wrap holder and other accessories.

E-bar

Most order picking operations need onboard management devices such as computers and barcode scanners. The E-bar facility available on the BT Optio L-series incorporates a power supply and allows easy attachment.

Frequency-Adapted Suspension

Vibration during driving can be an issue in some applications. BT Optio L-series trucks have the option of Frequency-Adapted Suspension, to help eliminate vibration. It is based upon a special sprung suspension system that combats vibration at various frequencies. This means that the BT Optio L-series is geared to meet legislative requirements.

Optimised Truck Performance

The optimised truck performance system on the BT Optio



The BT Optio L-series E-bar option allows the mounting and powering of ancillary equipment such as computers and barcode scanners

and productivity

L-series automatically adapts speed when cornering to allow fast yet safe driving in all conditions.

Smooth Operator concept at second level

The concept of smooth operation extends to trucks designed for second-level picking:

Sure Step-up

For occasional second level accessions, BT Optio L-series trucks can be equipped with a SureStep-up facility. Based on a slip-free step in the backrest that has been designed to ensure a wide and safe step, but without impacting on platform space when driving, giving access to a clear wide working platform upon the motor compartment.

Sensi-platform lift

Models with electric platform lift offer smooth and precise elevation with Sensi-lift control. Lowering is achieved by a foot pedal which means both hands are free to carry the items being picked. The elevating E-man control handle allows the truck to be driven in the elevated position, facilitating fine positioning during the picking process and point-to-point driving.

Safety throughout the process

BT Optio L-series trucks have been designed to ensure safety throughout the order picking process:

Automatic safe steering

The electronic steering system provides many safety benefits. The E-man steering arm is geared to reduce the turning angle required. This ensures the operators arms are safely contained within the profile of the truck.



BT Optio L-series offers useful front and rear storage compartments. The front compartment even has a rest for shrink wrap

The drive-wheel always revert to the straight-ahead position when the steering arm is released to ensure safe start-up. In addition the steering radius is automatically reduced when the truck is pedestrian controlled.

Optimised Truck Performance

The BT Powerdrive system allows for truck speed to be automatically reduced when cornering to ensure fast but safe driving in all conditions. On second level machines automatic speed reduction also applies when driving in the elevated position.

Automatic braking

The BT Powerdrive system means that as soon as the E-man control handle is released smooth progressive braking is applied, to ensure smooth, responsive control.



BT Optio L-series models with elevating platforms also have elevating controls, allowing manoeuvring and driving without having to lower the platform

L-series – the range

The widest range of trucks for first and



OSE250

- Max. capacity 2500 kg
- Available with step-up kit
- Fork lengths up to 2.9 m
(to handle up to four roll cages or two Euro pallets)



OSE250P

- Max. capacity 2500 kg
- Elevating platform and controls for intensive picking up to 2.6 m
- Fork lengths up to 2.9 m
(to handle up to four roll cages or two Euro pallets)



OSE120

- Max. capacity 1200 kg
- Elevating forks for better ergonomoy
- Available with step-up kit
- Fork lengths up to 2.35 m
(to handle up to three roll cages or two Euro pallets)



OSE120P

- Max. capacity 1200 kg
- Elevating platform and controls for intensive picking up to 2.6 m
- Elevating forks (up to 0.8 m) for better ergonomoy
- Fork lengths up to 2.35 m
(to handle up to three roll cages or two Euro pallets)

second-level picking



OSE200X

- Max. capacity 2000 kg
- Available with step-up kit
- Elevating forks up to 0.8 m
- Fork lengths up to 2.85 m



OSE180XP

- Max. capacity 1800 kg
- Elevating operator platform and controls for intensive picking up to 2.6 m
- Elevating forks up to 0.8 m
- Fork lengths up to 2.85 m



OSE100W / OSE100

- Max. capacity 1000 kg
- Elevating platform up to 1.2 m for lower-intensity man-up picking
- On OSE100, initial lift allows the load carrier to be elevated for comfortable operation



OSE120CB

- Max. capacity 1200 kg
- This version can be used like a counterbalance truck for stacking as well as for conventional order picking



BT Optio L-series

Round-the-clock durability

BT Optio L-series is designed for greater reliability and lower maintenance costs.

The BT Powerdrive system combined with advanced AC motors means a truck with remarkably simplicity in design and fewer components, resulting in greater reliability and lower maintenance costs. On-board diagnostics ensure that in the event of a fault it can be quickly identified and resolved.

Reduced drive-wheel wear

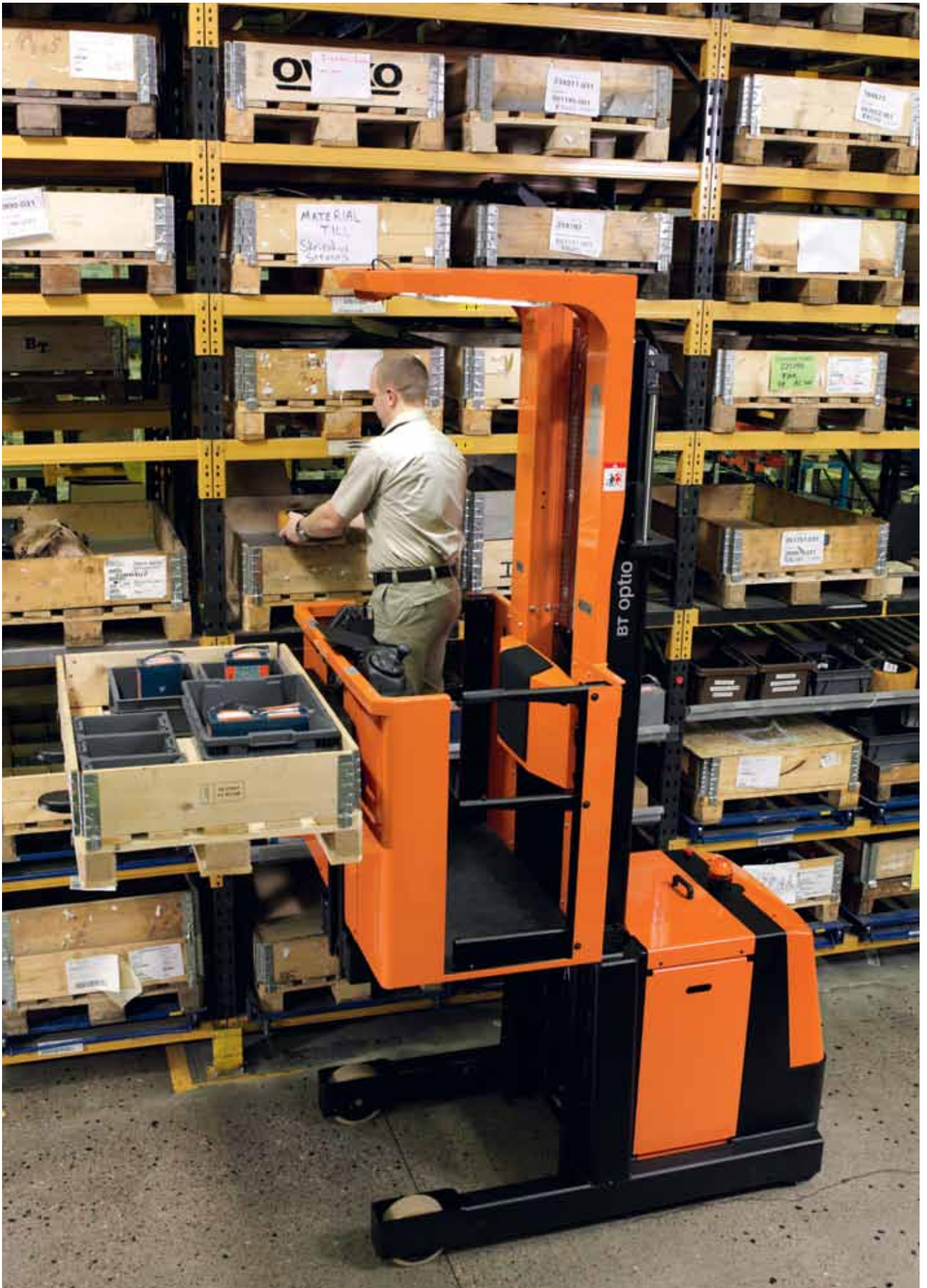
One of the major wearing parts on most low-level order pickers is the drive-wheel, due to the stress of repeated starting and stopping. The smooth, controlled operation of the electronic braking system on BT Optio L-series trucks significantly reduces drive-wheel wear, and therefore cost.



The drive-wheel on BT Optio L-series models sustains significantly less wear thanks to the trucks' electronically controlled acceleration and braking



L-series models have excellent service access, helping to keep your operation running



BT Optio M-series

Productivity up to 6.3 metres

The BT Optio M-series offers picking up to 6.3 metres and is suited to a wide variety of distribution applications including food, household appliances, parts, and pharmaceuticals. Narrow chassis 'N' models are ideal for picking up to the third level (3.4 metres) in the most congested applications.

Picking at levels one to three – OME100 / OME100W

For picking at the first three levels (up to 3.4 metres), BT Optio M-series offers a choice of models. The OME100W is a 'walk-through' model designed for handling bulky items.

The control console and backrest on the OME100 can easily be repositioned for driving in both directions (facing either the mast or the forks), improving safety and productivity. Users can also choose between fixed forks and adjustable forks. Adjustable forks allow greater flexibility when handling differently sized items with a variety of load carriers.

Higher level picking – OME100M / OME100MW

These models offer maximum picking heights up to 6.3 m.

Designed for wire or rail guided operation in very narrow aisles, as well as 'free-ranging' in wider aisles, OME100M and OME100MW are particularly suited to intensive narrow aisle operations.

BT Optipace constantly monitors travel speed in relation to platform height. This means that the operator can concentrate on picking, confident about machine stability and performance.

BT Optio M-series' spacious cabs, with the minimal distance

between the operator and the load carrier, maximise productivity and reduce operator strain, thereby helping to drive down costs.

OME100N / OME100NW

The narrow 'N' models in the BT Optio M-series are designed specifically for 'free ranging' (ie, not automatically guided) operation in busy and confined applications. These trucks are extremely easy to use as the load is directly in front of the operator. Excellent performance together with an ergonomic, reliable design achieves high levels of productivity. They also feature E-man steering, as found on the BT Optio L-series. (see page.4)

The travel speed of 12 km/h together with high acceleration increases picking pace. Advanced motor technology means it is very easy to adjust top speed, acceleration and speed reduction to meet individual requirements. There are 10 individually adjustable operator programs.

All BT Optio M-series trucks offer an optional E-bar, which allows the mounting (with power supply) of ancillary equipment such as PCs and barcode readers.



M-series 'W' models have a 'walk-through' design for picking bulky articles



The comprehensive display shows lift height, battery status and drive wheel position as well as warning and error codes

M-series

The range



OME100N

- *Narrow chassis*
- *E-man steering*
- *Picking heights up to 3.4 m (platform height 1.8 m)*
- *Max. capacity 1000 kg*
- *Chassis width 810 mm*



OME100NW

- *'Walk-through' version of the OME100N (above) for handling bulky items*



OME100

- Similar to OME100M (below) but without overhead guard
- Max. 3.35 m picking height (maximum 1.75 m platform height)
- Chassis width 970 mm
- Cabin widths: 1000 mm, 1200 mm, 1400 mm



OME100W

- 'Walk-through' model of the OME100 (left) for handling bulky items



OME100M

- Man-up picking from up to 6.3 m (platform height range 2.0 m – 4.7 m)
- Max. capacity 1000 kg
- Chassis width 970 mm
- Cabin widths: 1000 mm, 1200 mm, 1400 mm



OME100MW

- 'Walk-through' version of OME100M for bulky items
- Max. capacity 1000 kg
- Chassis width 970 mm
- Cabin widths: 1000 mm, 1200 mm, 1400 mm

BT Optio M-series

Safe for your goods, your operators

Operation of the BT Optio M-series requires the driver to be elevated for much of the time. Therefore, safety has been at the heart of its design from the very beginning.

The BT Optipace system on higher lift models automatically adjusts truck speed according to lift height, allowing maximum productivity without compromising safety.

PIN-code start up offers higher operational safety by preventing use by unauthorised drivers.

All M-series models feature folding side gates (optional on OME100N and OME100), including a threshold, which prevents the operator's foot from protruding outside the cab. This, together with large and flat floor area, allows comfortable and safe picking throughout a shift.

Sensors prevent the truck from being driven without hands on the controls, helping to ensure that the operator is in a safe position before any movement takes place.

The compact size of the trucks, in combination with the advanced BT electronic steering and fingertip controls, including push-button brake, makes fine positioning and confident driving in or out of the aisle, easy.

A complete auto-test routine is carried out every time each M-series model is activated. This is repeated continuously during operation to ensure safety.



All M-series models feature folding side gates (optional on OME100N and OME100)



The OME100 and OME100W's parcel rail allows the top of the truck body to be used for temporary storage

and your business

M-series is built to work day after day with a minimal need for maintenance, meaning more uptime and lower lifetime cost.

Built to the rigorous standards of the Toyota Production System, all BT Optio models feature heavy-duty components and the highest quality build.

The BT Powerdrive system on 'N' models provides reliability and simplicity. CAN-Bus technology means fewer parts and reliable motor and system control. Routine and emergency maintenance is straightforward, with easy access to all components.



LED indicators and the digital display allow rapid fault diagnosis

BT Optio H-series

A new standard in high-level order picking

The all-new BT Optio H-series sets a new standard in high-level order picking. It offers the highest-level picking in its class, despite its compact design, and it has the safety features to make such operation an everyday activity. High-level picking allows maximum operational flexibility, helping companies to drive down costs.

BT Optipace

The BT Optio H-series is designed to perform 'free-ranging' and in narrow aisles, with either rail or wire guidance. In both situations the operator aims to move between picking positions as quickly and smoothly as possible. H-series excels at 'diagonal' driving, where the truck is both driving and lifting or lowering at the same time. The BT Optipace system monitors the truck's load as well as the lift height and automatically optimises travel speed accordingly. This allows the operator to concentrate on picking the goods, working at speed, with confidence.

High-level performance

The performance of BT Optio H-series is excellent thanks to a high travel speed (max. 12 km/h), quick acceleration and fast lift/lower speeds. Performance parameters are programmable and personal settings are engaged as soon as an operator starts the truck with their PIN-code or ID card.

The display features standard height indication and, optionally, weight indication. The optional height pre-selection function automatically moves the cabin to the next required level.

AC efficiency

Every time the cabin is lowered or the truck decelerates, energy is regenerated back to the battery. Because of this the H-series is able to work for two full shifts on one battery charge in many applications. The battery can be changed quickly thanks to the built-in rollerbed.

The spacious H-series cabin is easy to get in and out of thanks to the low step and wide entry. The backrest is adjustable and there is the option of a seat for applications demanding longer travel distances. The Free Move platform design means that the cabin floor is completely flat without rigid safety pedals. Safety is assured as sensors under the floor detect the presence of the driver.

The truck features efficient in-cab lighting and there are several places to store items. A writing pad is integrated in the auxiliary lift cover. A cooling fan and radio/CD unit can also be specified.

Smooth Operator concept

Recognising that it is the operator that is central to the overall efficiency and productivity of the order picking process the BT Optio H-series is built around a Smooth Operator concept.

Flexible control

The truck's controls can be mounted in either the fork direction or the mast direction, depending on the operator's preference. Alternatively, the truck can be specified with twin controls for maximum versatility. A fourth alternative is to have a 'light' version in which the auxiliary lift is controlled with two buttons and a full set of controls faces the mast.

All controls are height adjustable and drive and lift/lower functions are fingertip controlled for maximum precision.



The cabin and controls are designed to make picking to a pallet as easy as possible



The unique E-bar can be specified in a number of locations for mounting and powering devices such as computers and barcode scanners



H-series

The range



OME100H

- Man-up picking up to 12 m (platform height 10.5 m)
 - Max. capacity 1000 kg
 - Choice of chassis width: 1050 mm or 1250 mm
 - Choice of cab width: 1000 mm, 1100 mm, 1200 mm, 1300 mm, 1400 mm, 1460 mm, 1500 mm, 1600 mm, 1800 mm
 - Auxiliary lift version with fixed or adjustable forks
-



OME120HW

- Man-up picking up to 12 m (platform height 10.5 m)
- Max. capacity 1200 kg
- Choice of chassis width: 1050 mm or 1250 mm
- 'Walk-through' design to fit standard EUR and CHEP pallets. Fixed platforms also available

BT Optio H-series

a new standard in safety

Order picking at heights of up to 12 metres demands equally high levels of safety. BT Optio H-series is designed with many features to help ensure safe productivity.

Restricted access

To ensure that only fully trained and qualified operators can use H-series, the truck will not start without either a correct PIN-code or by using the optional ID key or card system.

Multiple presence system

The operator is further protected as the truck will not operate until the operator places both hands on the controls and is standing inside the truck on the cab floor.

The drive-wheel will always be in the straight-ahead position upon start-up and, outside an aisle, the drive-wheel indicator clearly shows the driver its position, keeping them in complete control. An automatic parking brake is applied whenever the truck comes to a stop.

Totalview design

Visibility is optimised thanks to the open cab layout and clear-view mast and overhead guard.

Advanced personal protection system

BT Optio H-series is also prepared for the optional advanced personal protection system. This detects obstructions in the aisle that might not be visible from an elevated cab, reducing speed and, if necessary, stopping the truck completely.

Physical security for the operator is assured by the strong cab design with overhead guard and folding side-gates. In the event of an emergency, the cabin can be easily lowered.

The information display indicates lift height, load weight and battery condition, as well as alerting the driver in the event of a detected fault.

Efficient LED arrays provide in-cab lighting and there are several places to store items. A writing pad is integrated in the auxiliary lift cover.



BT Optio H-series requires either a PIN-code or an ID key (option) to start



The multiple presence system ensures that the operator is safely in the cab before the truck can move

with Toyota durability

When a truck is designed for high productivity and long working shifts, durability is important, particularly as high-level order picking trucks are the vital link in any supply chain.

Reliability is essential

You can depend on BT Optio H-series. Quality assurance comes as standard because every BT warehouse truck is built to the stringent quality standards of the Toyota Production System.

The components used in the H-series are all designed for hard, continuous work. Powerful AC drive and lift motors work together with a heavy-duty gearbox. Sealed electronic components and heavy-duty materials assure a long working life, with careful attention to detail assuring reliability at every level.

In the event of a system failure, H-series is built with self-diagnostics to quickly identify the problem and get back in action fast.

Periodic maintenance is a requirement for all forklift trucks, but the BT Optio H-series is designed for long service intervals. For example, its AC motors are brushless and its gearbox oil will never need to be replaced.

Our commitment to the environment

Moving towards the creation of a recycling oriented society, Toyota Material Handling is continuously raising the recyclable level of its products at end of life. The BT Optio H-series is 99% recyclable.



All exterior parts are made of steel, for strength and protection



Non-exposed parts, such as the battery cover, are made of plastic to save weight



Materials handling

Toyota Material Handling has a strong European presence with its Toyota and BT brands, establishing close geographic links with its customers in order to better respond to their needs. Toyota has operations in more than 30 countries, and production centres in Ancenis (France), Bologna (Italy) and Mjölby (Sweden).

Toyota Production System

The Toyota Production System (TPS) empowers team members to optimise quality by constantly improving processes and eliminating unnecessary waste of resources. TPS includes a common set of knowledge, values and procedures, entrusts employees with well-defined responsibilities in each production step, and encourages each staff member to strive for overall improvement. Today, TPS is the acknowledged reference among automotive manufacturers and related industries. Our methods enable businesses to achieve sustained gains in productivity while satisfying customer expectations for quality and reliability.

Research & Development

Toyota Material Handling benefits from Toyota's vast experience in the automotive industry, especially in engine development. By taking full advantage of the group's massive R&D facilities and engineering expertise, Toyota has developed a number of world-class technologies. Intelligent use of electronic and computer controlled devices has also made a significant contribution to creating more ergonomic and user-friendly operator environments, contributing to safety in the workplace.

Empowering your business

Our services and solutions are designed to provide different

levels and types of support in response to individual customer's needs. This approach gives our customers the power to focus on their core business.

Our commitment to the environment

Toyota believes that getting the job done should never be at the expense of our environment. Our long-term commitment is to develop and deliver environmentally friendly and economically viable materials handling solutions that respect present and future energy needs. Toyota strives to reduce environmental impact throughout the product life cycle, from design, manufacturing and operation through to recycling at end-of-life. Toyota's production centres are all ISO 14001 certified. A declaration of the emissions and waste during the manufacturing process and typical life cycle is available on request.

With its emphasis on eliminating waste, TPS also helps to reduce the environmental impact of our manufacturing activities. CO₂ emissions, water consumption, waste-water generation and landfill quantities have all been reduced, while recycling levels for packaging, water and scrap have been raised. Hazardous substances and air pollutants have also been reduced. Moving towards the creation of a recycling-oriented society, Toyota seeks to continuously improve the recyclability levels of its products.

Choose the features that suit your needs

• standard ◦ option

| | BT Optio OSE250 | BT Optio OSE250P | BT Optio OSE100 | BT Optio OSE100W | BT Optio OSE120 | BT Optio OSE120P | BT Optio OSE120CB | BT Optio OSE200X | BT Optio OSE180XP | BT Optio OME100N | BT Optio OME100NW | BT Optio OME100 | BT Optio OME100W | BT Optio OME100M | BT Optio OME100MW | BT Optio OME100H | BT Optio OME120HW |
|--|-----------------|------------------|-----------------|------------------|-----------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|-----------------|------------------|------------------|-------------------|------------------|-------------------|
| Truck features | | | | | | | | | | | | | | | | | |
| Adjustable width over forks | | | ◦ | | | | | | | • | | • | | • | | • | |
| Bogie fork wheels | • | • | | | • | • | | • | • | | | | | | | | |
| BT Powerdrive | • | • | • | • | • | • | • | • | • | • | • | | | | | | |
| Choice of cab widths | | | • | • | | | | | | • | • | • | • | • | • | • | • |
| Choice of chassis widths | | | | | | | | | | | | | | | | • | • |
| Climber wheels | ◦ | ◦ | | | | | | | | | | | | | | | |
| Elevating platform | • | • | • | • | | • | | | • | • | • | • | • | • | • | • | • |
| High-capacity battery models | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | • | • | • | • | • | • |
| High performance models | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Wire/rail guidance | | | | | | | | | | | | • | • | • | • | • | • |
| Driving features | | | | | | | | | | | | | | | | | |
| 180°+ steering | | | | | | | | | | | | • | • | • | • | • | • |
| 200°+ steering | • | • | • | • | • | • | • | • | • | • | • | | | | | | |
| Automatic deceleration | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Electronic braking system | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Electronic regenerative brakes (motor) | • | • | • | • | • | • | • | • | • | • | • | | | | | • | • |
| Electronic speed control | • | • | • | • | • | • | • | • | • | • | • | | | | | | |
| Controls and instruments | | | | | | | | | | | | | | | | | |
| Adjustable BT Control console | | | | | | | | | | | | • | • | • | • | • | • |
| Adjustable E-man tiller arm | ◦ | ◦ | | | | ◦ | ◦ | ◦ | ◦ | | | | | | | | |
| Electronic height indicator | | | | | | | | | | | | • | • | • | • | • | • |
| Exterior lift/lower buttons | | | | | | | ◦ | | | | | | | | | | |
| Exterior lift/lower/forward buttons | | | | ◦ | ◦ | ◦ | ◦ | | ◦ | ◦ | ◦ | | | | | | |
| Hour meter (working hours) | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Information display | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Power/Electronic steering | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Steering direction indicator | | | | | | | | | | | | • | • | • | • | • | • |
| Switchable BT Control console | | | | | | | | | | | | • | | • | | | |
| Twin direction controls | | | | | | | | | | | | | | | | | ◦ |
| Safety features | | | | | | | | | | | | | | | | | |
| Automatic parking brake | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| BT Access Control (PIN codes) | • | • | • | • | • | • | • | • | • | • | • | | | | | • | • |
| Smart Access (electronic cards/fobs) | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | | | | | ◦ | ◦ |
| BT Optipace System | | | | | | | | | | | | • | • | • | • | • | • |
| Clear-view mast | | | | | | | • | | | | | | | • | • | • | • |
| Clear-view overhead guard | | | ◦ | ◦ | | | ◦ | | | ◦ | ◦ | | | • | • | • | • |
| Driver detection system | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Emergency cut-off | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Folding side guards | | | | | | | | | | ◦ | • | ◦ | • | • | • | • | • |
| Load support | ◦ | | | | ◦ | | ◦ | ◦ | ◦ | | | | • | | • | | • |
| Programmable gate security | | | | | | | | | | | | • | • | • | • | • | • |
| Programmable performance | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Protective bumpers | ◦ | ◦ | | | ◦ | ◦ | ◦ | ◦ | | | | | | | | | |
| Warning beacon | | | | | | | | | | | | • | • | • | • | • | • |
| Working lights | | | | | | | | | | | | | | ◦ | ◦ | ◦ | ◦ |
| Operator features | | | | | | | | | | | | | | | | | |
| Adjustable backrest | | | | | | | | | | | | • | • | • | • | • | • |
| Adjustable seat | | | | | | | | | | | | | | | | | ◦ |
| E-bar | ◦ | ◦ | | | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | | | | | ◦ | ◦ |
| Elevating picking shelf | | | ◦ | | | ◦ | | | ◦ | | | | | | | | |
| Folding seat | ◦ | | | | ◦ | | ◦ | | | | | | | | | | ◦ |
| Low step-in | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| On-board data terminal mount | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | | | | ◦ | ◦ | ◦ |
| Shrink wrap holder | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | | | | | | |
| Step-up kit | ◦ | | | | ◦ | | ◦ | | | | | | | | | | |
| Storage compartments | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Writing table/surface | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | • | | • | | • | • |
| Maintenance features | | | | | | | | | | | | | | | | | |
| Easy access for maintenance | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Fault diagnosis facility | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Historic fault log | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Lubrication points | • | • | | | | | | | | | | | | | | | |
| Battery management features | | | | | | | | | | | | | | | | | |
| Battery change facility | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ |
| Battery status indicator | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Battery discharge prevention system | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Heavy-duty battery compartment | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | • | • | • | • | • | • |
| Sideways battery change | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | • | • | • | • | • | • |
| Special applications | | | | | | | | | | | | | | | | | |
| Coldstore version | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ | ◦ |



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