Toyota Order Picker Trucks

The BT Optio Range



TOYOTA

MATERIAL HANDLING

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BT Optio

the complete range of order picking trucks from Toyota Material Handling

BT Optio L-series
Low-level order pickers



Low-level order pickers are ideal for fast-moving goods operations. Quick and easy to drive – with optional platform lift, elevation of load, and semi-automated operation

1.0 – 2.5 tonnes load capacities

Picking height up to 2.6 m

Pages 4-5

BT Optio M-series
Medium-level order pickers



Compact truck for working in confined picking areas. Guided or free-ranging operation

1.0 tonne load capacity

Picking height up to 6.3 m

Pages 6-7

BT Optio H-series
High-level order pickers



Designed for higher level picking in very narrow aisles, wire or rail-guided operation, as well as free-ranging outside aisles

1.0 – 1.2 tonnes load capacities

Picking height up to 12 m

Pages 8-9







OSE250



OSE250P



OSE120



OSE120P



OSE200X



OSE180XP



OSE100W



OSE100



OSE120CB

product design award 2012 GOLD

● standard ○ option

	Safety	Durability	Productivity	Driveability	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
Truck features													
Adjustable fork width							○				○		
Automatic height adjustment									○	○		○	○
Automatic parking brake					●	●	●	●	●	●	●	●	●
Bogie fork wheels					●	●			●	●		●	●
BT Powerdrive					●	●	●	●	●	●	●	●	●
Choice of cab widths							●	●					
Clear-view mast											●		
Clear-view overhead guard							○	○			○		
Climber wheels					○	○							
Electronic braking system					●	●	●	●	●	●	●	●	●
Electronic regenerative brakes (motor)					●	●	●	●	●	●	●	●	●
Electronic speed control					●	●	●	●	●	●	●	●	●
Elevating platform						●	●	●		●			●
High performance models					●	●	●	●	●	●	●	●	●
High-capacity battery models					○	○	○	○	○	○	○	○	○
Load support					○	○			○	○	○	○	○
Protective bumpers					○	○			○	○		○	○
Warning beacon							○		○				
Controls and instruments													
200°+ steering					●	●	●	●	●	●	●	●	●
Access Control (PIN codes)					●	●	●	●	●	●	●	●	●
Adjustable E-man control console					○	○			○	○	○	○	○
Automatic deceleration					●	●	●	●	●	●	●	●	●
Emergency cut-off					●	●	●	●	●	●	●	●	●
Exterior lift/lower buttons											○		
Exterior lift/lower/forward buttons							○	○	○	○		○	○
Hour meter					●	●	●	●	●	●	●	●	●
Power/Electronic steering					●	●	●	●	●	●	●	●	●
On-board data terminal mount					○	○	○	○	○	○	○	○	○
Operator features													
Driver detection system					●	●	●	●	●	●	●	●	●
Driver-adapted programmable performance					●	●	●	●	●	●	●	●	●
E-bar					○	○			○	○	○	○	○
Elevating picking shelf						○				○			○
Folding seat					○				○		○	○	
Low step-in					●	●	●	●	●	●	●	●	●
Shrinkwrap holder					○	○	○	○	○	○	○	○	○
Step-up kit					○				○		○		
Storage compartments					●	●	●	●	●	●	●	●	●
Writing table					○	○	○	○	○	○	○	○	○
Maintenance features													
Easy access for maintenance					●	●	●	●	●	●	●	●	●
Fault diagnosis facility					●	●	●	●	●	●	●	●	●
Historic fault log					●	●	●	●	●	●	●	●	●
Lubrication points					●	●							
Battery management features													
Battery change facility					○	○	○	○	○	○	○	○	○
Battery discharge prevention system					●	●	●	●	●	●	●	●	●
Battery status indicator					●	●	●	●	●	●	●	●	●
Heavy-duty battery compartment					○	○	○	○	○	○	○	○	○
Lithium-ion batteries					○								
Sideways battery change					○	○	○	○	○	○	○	○	○
Special applications													
Coldstore version					○	○	○	○	○	○	○	○	○
EEx version (ATEX)					○	○	○	○	○	○	○	○	○
Semi-automatic operation					○							○	

BT Optio L-series

Low-level order pickers

The BT Optio L-series trucks ensure productivity by being powerful, efficient, adaptable, and easy-to-use. A wide range of model configurations means exactly the right specification can be chosen to suit the demands of your operation, picking at first and second levels, and increasing the effectiveness of the man-machine unit and overall efficiency.

Optimised Truck Performance

All BT Optio L-series trucks are equipped with Optimised Truck Performance, or OTP, which lowers the truck's speed automatically during cornering to increase safety.

E-man

The E-man steering system allows the operator to move the steering column to either side of the centre position, enabling the operator to move the truck forward/backward while walking alongside the truck. A steering safety feature protects the operator when he/she operates the truck outside the normal operating position. Raising the platform simultaneously raises the controls, making it possible to operate the truck from the elevated platform, allowing greater productivity.

Semi-automated operation

Optional semi-automated operation allows the operator to advance the truck using a simple remote control unit. Sensors ensure safety when driving automatically, including the ability to navigate around obstructions, and change side in aisles, as the steering follows the contour of the racking system. This allows the operator to concentrate on picking goods, rather than driving the truck, substantially increasing productivity.

Cushioned platform

For improved operator comfort an extra vibration-damped platform can be specified to add extra protection from vibrations due to uneven surfaces.

TPS-based reliability

Like all Toyota trucks, BT Optio order picking trucks are built according to the Toyota Production System, assuring the highest levels of quality, durability and reliability.











- *Low step-in height makes repeatedly getting in and out easier*
- *Optional powered E-bar allows easy mounting of ancillary equipment*
- *Several models feature platform lift for picking at the second level*
- *Shrinkwrap and tools can be stored within easy reach*
- *Choice of backrest types*

Load capacity: 1.0, 1.2, 1.8, 2.0, 2.5 t @ 600 mm load centre
Maximum picking height: 2.8 m
Maximum travel speed: 12 km/h
Maximum battery capacity: 620 Ah

options

LI-ION





***OME100N** with auxiliary lift and*
***OME100NW** walk-through version*
- *Chassis width 810 mm*
- *Maximum capacity 1000 kg*
- *Picking heights to 3.4 m*



***OME100** with auxiliary lift and*
***OME100W** walk-through version*
- *Chassis width 970 mm*
- *Maximum capacity 1000 kg*
- *Picking heights to 3.35 m*
- *Cabin widths 1000 mm, 1200 mm, 1400 mm*



***OME100M** with auxiliary lift and*
***OME100MW** walk-through version*
- *Chassis width 970 mm*
- *Maximum capacity 1000 kg*
- *Picking heights to 6.3 m*







● standard ○ option

	Safety	Durability	Productivity	Driveability	BT Optio OME100N	BT Optio OME100NW	BT Optio OME100	BT Optio OME100W	BT Optio OME100M	BT Optio OME100MW
Truck features										
Adjustable fork width			■		●		●		●	
Automatic parking brake	■		■	■	●	●	●	●	●	●
BT Powerdrive		■	■	■	●	●				
Choice of cab widths			■		●	●	●	●	●	●
BT Optipace System	■		■	■			●	●	●	●
Clear-view mast	■		■	■					●	●
Clear-view overhead guard	■		■	■	○	○			●	●
Electronic braking system	■	■	■	■	●	●	●	●	●	●
Electronic regenerative brakes (motor)	■		■	■	●	●				
Electronic speed control	■		■	■	●	●				
Elevating platform	■		■	■	●	●	●	●	●	●
High-capacity battery models			■		○	○	●	●	●	●
High performance models			■		●	●	●	●	●	●
Load support	■		■					●		●
Warning beacon	■						●	●	●	●
Wire/rail guidance	■		■	■			●	●	●	●
Working lights	■		■	■					○	○
Controls and instruments										
180°+ steering			■	■			●	●	●	●
200°+ steering			■	■	●	●				
Access Control (PIN codes)	■				●	●				
Adjustable BT Control console			■	■			●	●	●	●
Automatic deceleration	■		■	■	●	●	●	●	●	●
Driver-adapted programmable performance	■			■	●	●	●	●	●	●
E-bar			■	■	○	○			○	○
Electronic height indicator			■	■			●	●	●	●
Emergency cut-off	■				●	●	●	●	●	●
Exterior lift/lower/forward buttons			■	■	○	○				
Hour meter					●	●	●	●	●	●
Power/Electronic steering			■	■	●	●	●	●	●	●
Programmable gate security	■						●	●	●	●
Steering direction indicator	■		■	■			●	●	●	●
Switchable BT Control console	■		■				●		●	
Operator features										
Adjustable backrest	■		■	■			●		●	
Driver detection system	■				●	●	●	●	●	●
Folding sideguards	■		■	■	○	●	○	○	●	●
Low step-in	■			■	●	●	●	●	●	●
On-board data terminal mount			■	■	○	○			○	○
Shrinkwrap holder			■		○	○				
Storage compartments			■	■	●	●	●	●	●	●
Writing table			■	■	○	○	●		●	
Maintenance features										
Easy access for maintenance		■	■		●	●	●	●	●	●
Fault diagnosis facility		■	■		●	●	●	●	●	●
Historic fault log		■			●	●	●	●	●	●
Battery management features										
Battery change facility			■		○	○	○	○	○	○
Battery discharge prevention system		■			●	●	●	●	●	●
Battery status indicator		■	■		●	●	●	●	●	●
Heavy-duty battery compartment			■		○	○	●	●	●	●
Sideways battery change			■		○	○	●	●	●	●
Special applications										
Coldstore version		■			○	○	○	○	○	○
EEX version (ATEX)	■				○	○	○	○	○	○

BT Optio M-series

Medium-level order pickers

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. Two chassis widths are available: 810 mm (OME100N & OME100NW) or 970 mm (OME100, OME100W, OME100M, OME100MW), and two mast types: simplex & duplex, depending on lift height.

BT Optipace

BT Optio M-series trucks can be used 'free-ranging' or guided*. In guided applications the BT Optipace system ensures the maximum possible drive speed can be obtained at all heights without compromising safety.

* Models OME100N and OME100NW only free ranging

Choice of control positions

BT Optio M-series models with initial lift have controls that can be set to face in either the fork direction or mast direction, depending on the needs of the job.

TPS-based reliability

Like all Toyota trucks, BT Optio order picking trucks are built according to the Toyota Production System, assuring the highest levels of quality, durability and reliability.









- *Safety provided by overhead guard*
- *Walk-through versions for large loads*
- *Overhead guard with integral LED working lights*
- *Narrow chassis on N models*

Load capacity: 1.0 t @ 600 mm load centre
Maximum picking height: 6.3 m
Maximum travel speed: 12 km/h
Maximum battery capacity: 620 Ah

options







● standard ○ option

	Safety	Durability	Productivity	Driveability	BT Optio OME100H	BT Optio OME120HW
Truck features						
Adjustable fork width			■		●	
Automatic parking brake	■		■	■	●	●
BT Optipace System	■		■	■	●	●
Choice of cab widths			■		●	●
Choice of chassis widths			■		●	●
Clear-view mast	■		■	■	●	●
Clear-view overhead guard	■		■	■	●	●
Electronic braking system	■	■	■	■	●	●
Electronic regenerative brakes (motor)	■		■	■	●	●
Elevating platform	■		■	■	●	●
High performance models			■		●	●
High-capacity battery models			■		●	●
Load support	■		■			●
Warning beacon	■				●	●
Wire/rail guidance	■		■	■	●	●
Working lights	■		■	■	○	○
Controls and instruments						
180°+ steering			■	■	●	●
Access Control (PIN codes)	■				●	●
Adjustable BT Control console			■	■	●	●
Automatic deceleration	■		■	■	●	●
Driver detection system	■				●	●
Driver-adapted programmable performance	■			■	●	●
E-bar			■	■	○	○
Electronic height indicator			■	■	●	●
Emergency cut-off	■				●	●
Hour meter					●	●
Power/Electronic steering	■		■	■	●	●
Programmable gate security	■				●	●
On-board data terminal mount			■	■	○	○
Steering direction indicator	■		■	■	●	●
Twin direction controls			■	■	○	
Operator features						
Adjustable backrest	■		■	■	●	
Adjustable seat	■		■	■	○	
Folding seat				■	○	
Folding sideguards	■				●	●
Low step-in	■			■	●	●
Storage compartments			■	■	●	●
Writing table			■	■	●	○
Maintenance features						
Easy access for maintenance		■	■		●	●
Fault diagnosis facility		■	■		●	●
Historic fault log		■			●	●
Battery management features						
Battery change facility			■		○	○
Battery discharge prevention system		■			●	●
Battery status indicator		■	■		●	●
Heavy-duty battery compartment			■		●	●
Sideways battery change			■		●	●
Special applications						
Coldstore version		■			○	○
EEX version (ATEX)	■				○	○

BT Optio H-series

High-level order pickers

The 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 allows maximum operational flexibility.

Specified for the application

BT Optio H-series comes with a choice of two chassis widths, duplex or triplex telescopic masts, and either initial-lift or walk-through versions. Its lift heights are also amongst the highest on the market, with excellent residual capacity. Chose between 'free-ranging' or guided (rail or inductive) models. A wide range of options make it possible to equip each truck for your specific application's needs.

Choice of control positions

Several alternate operating positions are possible with the BT Optio H-series. The operator can chose to drive the truck facing the forks, facing the mast, or facing either way thanks to dual controls. There is even the option of driving in the mast direction while controlling the forks.

BT Optipace

BT Optipace controls the speed of the truck when operating in narrow aisles, providing the highest safe drive speed taking into account the load weight and operating height.

Driver-adapted performance

Features such as steering sensitivity, acceleration, maximum speed and braking sensitivity can be adjusted and set to individual drivers' preferences.

Navigation solutions

The BT Optio H-series is available with Toyota's navigation systems using RFID technology. These include:

- Automatic positioning, where the truck travels at maximum optimised speed to the required storage location, for the driver to simply pick or retrieve items
- Zoning functionality can take care of travel within the aisle identifying, for example, any overhead hazards as well as controlling the truck at end-of-aisle

Uniquely Toyota's navigation solutions can be retrofitted to existing trucks.

TPS-based reliability

Like all Toyota trucks, BT Optio order picking trucks are built according to the Toyota Production System, assuring the highest levels of quality, durability and reliability.









- *Spacious cabin*
- *Ergonomic split controls are comfortable and improve access to the forks for picking*
- *BT Access Control prevents unauthorised use and preset each driver's personal parameters upon start-up*
- *Overhead guard with integral LED working lights*

Load capacity: 1.0, 1.2 t @ 600 mm load centre
Maximum picking height: 12 m
Maximum travel speed: 12 km/h
Maximum battery capacity: 620 Ah

options

How we plan your operation

Toyota Material Handling has a clear approach to create effective and profitable relationships:

- Your local sales contact aims to be your trusted business advisor for all handling and logistics operations, to support your activities at both the planning and operational phases
- Our challenge is to analyse and understand your requirements and find efficient handling solutions – in short to fulfil our commitment to 'Kaizen' – which means continuous improvement
- A complete range of Toyota products – counterbalance trucks, warehouse trucks, tow tractors and automated solutions

Financial options

A choice of financial options to suit your exact needs, including finance lease and fully-inclusive long term rental programmes

Quality approved used trucks are also available giving Toyota build-quality at a very competitive cost level

Forward planning with short-term rental options to handle peak periods of activity

How we build quality trucks

The Toyota Production System has a world-wide reputation for manufacturing quality products:

- Having identified the right equipment for your operations, you have the confidence that it will be manufactured to the highest quality standards – that means reliability
- TPS is built around a process of continuous improvement (Kaizen) which is achieved by following a clear set of values
- All trucks are produced to ISO 14001 quality standards, ensuring minimum environmental impact
- Furthermore, one of the driving values within TPS is the elimination of waste at every stage of the process
- Over 90% of trucks sold by Toyota Material Handling in Europe are built within our European factories in Sweden, France and Italy

Toyota Production System – the strong foundation for quality in manufacturing

Taking care of you and your trucks

The Toyota Service Concept has been developed on TPS principle and is unique in the industry:

- Service means total lifetime support – maintenance, repairs, back-up with extra trucks, driver training and management information
- Real-time information is one of the core values that makes Toyota's service concept unique. It means everyone in the process has instant on-line access to updated, integrated information – technical support, truck history, parts, truck availability and for data for effective time and route planning
- TSC also means exact-fit in terms of parts and people, with structured training and accreditation processes
- Smart truck telemetry with GPRS/3G communication is also unique to Toyota, and available on almost every truck we produce. This allows better safety standards including driver management and, with Toyota I_Site, complete fleet control for improved safety, efficiency and cost reduction

Toyota Service Concept – for unique, forward-thinking lifetime support

RELIABILITY
CONFIDENCE
AVAILABILITY
PRODUCTIVITY
QUALITY
SAFETY

These are the expectations of our customers, alongside cost efficiency, sustainability and respect for the environment.

We check these expectations by regularly talking to truck users through surveys, sales discussions and over 3.5 million service visits every year.

We work with customers from one-off users up to the largest fleet operations.

Because our network extends across Europe we are always local.

Understanding customer needs is at the heart of our operations.

We call it CUSTOMER FIRST.

This page describes the unique processes that we follow, from working with you to plan your handling requirements, through building high quality reliable products, then delivering the best possible lifetime support.








For more information about:

- *Toyota Production System (TPS)*
- *Toyota Service Concept (TSC)*
- *Finance and rental plans*
- *Service and parts programmes*
- *Smart truck technology*
- *Toyota I_Site fleet management*
- *Environment & sustainability policies*

please ask your Toyota representative, or visit www.toyota-forklifts.eu

Toyota Material Handling in Europe

Total coverage
The Toyota Material Handling network extends to over 30 countries in Europe with more than 4500 mobile technicians.

Always local – with global support
Wherever you are located in Europe, we are always local, due to our extensive coverage, but with the stability and back-up of a worldwide organisation.

Made in Europe
Over 90% of trucks we sell are built in our own European factories, in Sweden, France and Italy – all to TPS quality standards. We employ over 3000 production staff in Europe and work with over 300 European suppliers.

Approximately 15% of our European production is exported to other parts of the world.



Pictures used are for illustration purposes only. Availability and specifications are determined regionally, and are subject to change without notice. Please consult your Toyota Material Handling representative for details.

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MATERIAL HANDLING

TP-Technical Publications, Sweden – 749713-040, 1405