



**KEEP MOVING**



# KEEP MOVING WITH TOYOTA LI-ION

## KEEP MOVING

- TO OPTIMISE COST EFFICIENCY
- TO MINIMISE DOWNTIME
- WITH LESS ENVIRONMENTAL IMPACT

**INTRODUCING TOYOTA LI-ION, THE NEW WAREHOUSE TRUCK RANGE THAT RUNS LONGER ON LESS ENERGY WITH LOWER COSTS. NO MORE DOWNTIME OR WAITING, YOUR WAREHOUSE WILL SIMPLY KEEP MOVING.**

At Toyota Material Handling Europe we are dedicated to driving down your costs. Our unique Toyota lithium-ion powered trucks eliminate many of the limitations on conventional technology to maximise your productivity and cost-efficiency.

Lithium-ion based truck technology is continuously developing to offer considerable advantages over conventional lead acid powered trucks in terms of operational performance, life cycle, fast charging and maintenance.

Unmistakeable in their freshly vivid blue, Toyota Li-Ion trucks greatly reduce energy usage and carbon emissions, as well as remove potentially hazardous metals and gassing from your workplace.

That is why we say Keep Moving: to optimise cost-efficiency, and minimise downtime with less environmental impact.



# KEEP MOVING TO OPTIMISE COST EFFICIENCY

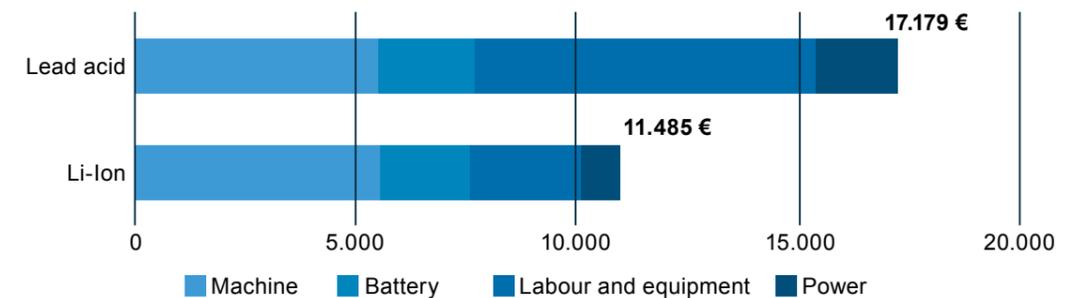
Toyota Li-Ion trucks represent a new benchmark in efficient on-the-job performance, which in turn drives unprecedented cost and energy savings.

In multi-shift operations any lost time, no matter how small, contributes to lost revenue. The Toyota Li-Ion range's ensemble of intelligent design features eliminates many of the most typical daily delays. As well as greatly enhancing workflow productivity, this makes Toyota Li-Ion the more competitive choice in terms of total cost of ownership.

## RAPID RETURN ON INVESTMENT OF APROX. 1 YEAR AND TOTAL COST OF OPERATION REDUCTION OF 35%\*

Toyota Li-Ion trucks provide an average return on investment of 1 years. This is due to the elimination of overcharging, which is the cause of 20% energy waste in conventional electrical trucks operation. There are also the costs saved due to there being no need for an extra battery, as well as the trucks' virtually maintenance free operation. All these factors add up to an average saving per truck of 2.800 euros each year compared to conventional trucks!

## 35% LOWER TOTAL COST OF OPERATION DUE TO BIG SAVINGS IN POWER AND EQUIPMENT



\*Example is based on a OSE 250 – 465AH LAB compared with 120Ah LIB, 3 shift operation, Li-Ion with fast charging system. Warehouse operation with ~100 machines. Testing period lasted for 24 months

# KEEP MOVING TO MINIMISE DOWNTIME



THE MANY PERFORMANCE ADVANTAGES OFFERED BY THE TOYOTA LI-ION RANGE CONTRIBUTE TO A CONSIDERABLE REDUCTION IN DOWNTIME AND THE ASSOCIATED COSTS, WHILE KEEPING YOUR WAREHOUSE RUNNING 24/7.

First of all, a Toyota Li-Ion truck only takes up to 1 hour to fully charge compared to 6 to 12 hours for conventional batteries, which means vastly reduced downtime and no need for extra batteries.

Then there is the fact that lithium-ion batteries have a lifetime of approximately 5000 cycles – twice as long as lead acid. In addition, the trucks perform at 100% throughout the entire discharge cycle and can be recharged at any moment. You can simply charge them during breaks and not lose a minute of productivity. And finally, maintenance and downtime are further minimised due to there being no need for water topping, which typically costs you around 25 minutes a week.

100% PERFORMANCE  
THROUGHOUT  
DISCHARGE CYCLE



ZERO  
MAINTENANCE



UP TO 5000  
CYCLES



ON-THE-GO  
FAST CHARGING



# KEEP MOVING WITH LESS ENVIRONMENTAL IMPACT

The unique blue colour of Toyota Li-Ion trucks not only represents their game-changing efficiency, it also signals our commitment to greater sustainability and health and safety.

## 30% LESS ENERGY LOWERS YOUR CARBON IMPRINT.

Toyota Li-ion trucks radically reduce energy consumption due to their greater efficiency and elimination of overcharging. This enables warehouse operators to reduce their carbon imprint in line with the tighter regulations being introduced in many countries.

## REMOVES HAZARDOUS METALS FROM YOUR ENVIRONMENT – AND OURS.

Lithium-ion batteries eliminate the potential for lead leakage and gassing during the charging phase. As well as ensuring a safer work environment, this saves money due to there being no need for ventilation in the charging room. They are also far more environmentally friendly to dispose of.

LOWER YOUR ENERGY COST BY UP TO 30%



NO HAZARDOUS  
MATERIALS





# ADDS MOMENTUM TO MULTI-SHIFTS APPLICATIONS AND OPERATIONS

The Toyota Li-Ion truck range is perfectly suited to the needs of high productivity, multi-shift handling operations in the logistics, daily goods and manufacturing industries.

# INTRODUCING THE TOYOTA LI-ION RANGE

## BT LEVIO POWERED PALLET TRUCK

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W-series

- 2 t
- 100/150Ah

Also available with operator platform.  
Less Ah is required due to its on-the-go fast charging capabilities.

## BT LEVIO POWERED PALLET TRUCK

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P-series

- 2 t
- 100/150Ah

With operator platform.  
Less Ah is required due to its on-the-go fast charging capabilities.

## BT LEVIO POWERED PALLET TRUCK

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P-series

- 2.4 t
- 200/300Ah

With operator platform.  
Less Ah is required due to its on-the-go fast charging capabilities.

## BT OPTIO ORDER PICKING TRUCK

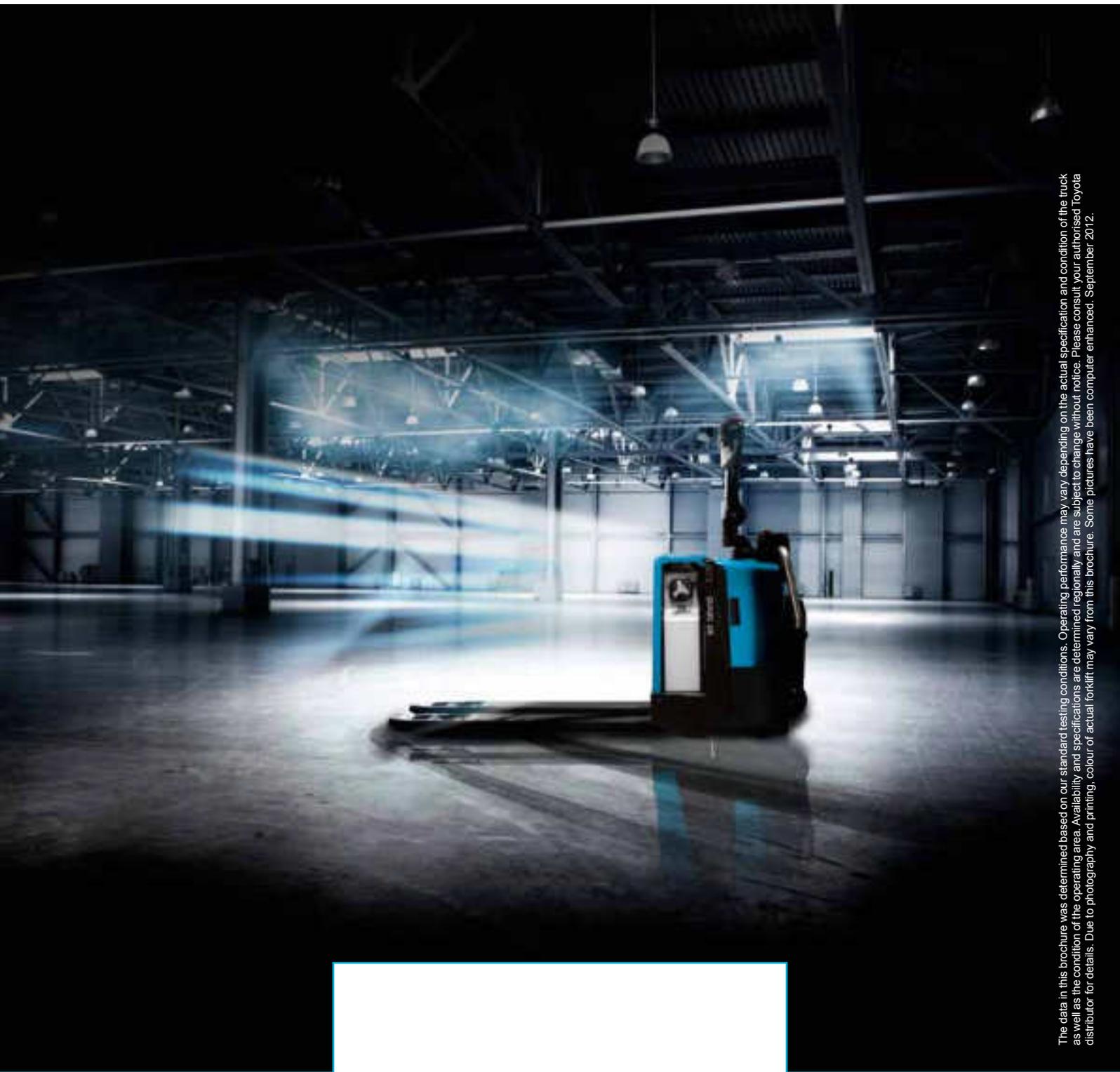
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L-series

- 2.5 t
- 100/200/300Ah

Also available with elevating operator platform.  
Less Ah is required due to its on-the-go fast charging capabilities.



The data in this brochure was determined based on our standard testing conditions. Operating performance may vary depending on the actual specification and condition of the truck as well as the condition of the operating area. Availability and specifications are determined regionally and are subject to change without notice. Please consult your authorised Toyota distributor for details. Due to photography and printing, colour of actual forklift may vary from this brochure. Some pictures have been computer enhanced. September 2012.



**TOYOTA**

MATERIAL HANDLING

stronger together