**BT Vector**
the complete range of very narrow aisle trucks from Toyota Material Handling

<table>
<thead>
<tr>
<th>BT Vector R-series</th>
<th>BT Vector C-series</th>
<th>BT Vector A-series</th>
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| Man-down VNA truck suitable for pallet handling in medium-intensity operations.  
  Turret head forks or high speed slide-through fork versions  
  1.25 – 1.5 tonnes load capacities  
  Lift height up to 11.3 m | Man-up combi truck performing best in medium to high-intensity pallet handling or order picking applications  
  1.0 – 1.35 tonnes load capacities  
  Lift height up to 15 m | Trucks with articulated chassis providing high-level order picking and full-pallet handling and the space-saving benefits of advanced VNA operation.  
  Turret head forks or high speed slide-through fork versions  
  1.25 – 1.5 tonnes load capacities  
  Lift height up to 15.7 m |

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Toyota VNA trucks (BT Vector R/A-series models).

Management systems and can be retrofitted to existing systems using RFID technology. These include:

- 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 are designed to be integrated in a warehouse management system.

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BT Vector C-series Man-up VNA truck

BT Vector C-series models bring full VNA functionality in an extremely compact footprint. A choice of chassis and cab widths mean it is suited to most existing VNA operations, offering class-leading performance and energy efficiency.

Easy delivery and installation
Most VNA trucks require on-site assembly with requirements for heavy lifting to build the mast assembly. The BT Vector C-series has a swing-down mast design, which means it can be shipped on a standard road vehicle and towed into position, with mast repositioning and final commissioning taking less than half a day.

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.

Totalview Concept
The BT Vector C-series provides a clear view for driving and load handling based on Toyota’s Totalview concept.

TPS-based reliability
Like all Toyota trucks, BT Vector trucks are built according to the Toyota Production System, assuring the highest levels of quality, durability and reliability.

Load capacity: 1.0, 1.2, 1.35 t
@ 600 mm load centre
Maximum lift height: 15 m
Maximum battery capacity: 930 Ah

- BT Totalview allows optimum visibility
- Split control panel lets the operator reach the pallet easily for order picking
- LED working lights are powerful and efficient
- Battery access is convenient for charging
Navigation solutions

The BT Vector A-series is available with Toyota’s navigation systems using RFID technology. These include:

• Positioning, where the truck travels at maximum optimised speed to the required storage location, for the driver to simply pick or retrieve the load. Positioning function can also be integrated in a warehouse management system.

• 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 are designed to be integrated with most existing third-party warehouse management systems and can be retrofitted to existing Toyota VNA trucks (BT Vector R/A-series models).

Advanced Lifting System

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

Advanced Lifting System

The energy required to lift the cab and load is significantly reduced by Toyota’s Advanced Lifting System. It is a fully integrated combination of hydraulic and gas-pressure lifting, using precise electronic control for seamless and smooth operation. Inert nitrogen is compressed in a sealed system as the cab is lowered. The stored energy is then used to aid the next lifting movement. As a result the lift motor is working to lift little more than the weight of load itself, saving energy. Two-shift operation is possible on a single charge.

Unique articulated chassis design

The BT Vector A-series’ unique articulated chassis allows it to drive between aisles using a transfer aisle up to one metre narrower than that required by a non-articulated truck. This means that typically an extra four pallet positions can be provided on each level within an aisle, and with lift heights to well over 14 metres it can result in up to 60 extra pallet positions per aisle. This gives substantial cost savings in terms of space, but not at the cost of productivity – aisle transfer typically takes less than 10 seconds.

Load capacity: 1.25, 1.5 t

@ 600 mm load centre

Maximum lift height: 15.7 m

Maximum battery capacity: 1240 Ah

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.

TPS-based reliability

Toyota’s Advanced VNA concept is based on the BT Vector A-series, which has unique space saving and productivity enhancing features. Its articulated chassis provides excellent stability and minimises the space required for aisle-to-aisle transfer, allowing more warehouse space to be used for storage. Productivity levels are exceptional, with outstanding work-ates.
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.

Toyota Production System — the strong foundation for quality in manufacturing.

Toyota Service Concept — for unique, forward-thinking lifetime support.

How we plan your operation

How we build quality trucks

Taking care of you and your 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.

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 online 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.

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.