Aisle-Master

The versatile articulated truck that does it all

aisle-master.com

Aisle-Master

Work stronger for longer and reduce costs

Aisle-Master – a name synonymous with quality, innovation and reliability, and one you can trust to provide forklift trucks that are engineered to deliver.

With more than 50 years' experience in providing cost-effective solutions to materials handling problems, you can be sure that you are investing in the best quality in the market when buying an Aisle-Master truck.

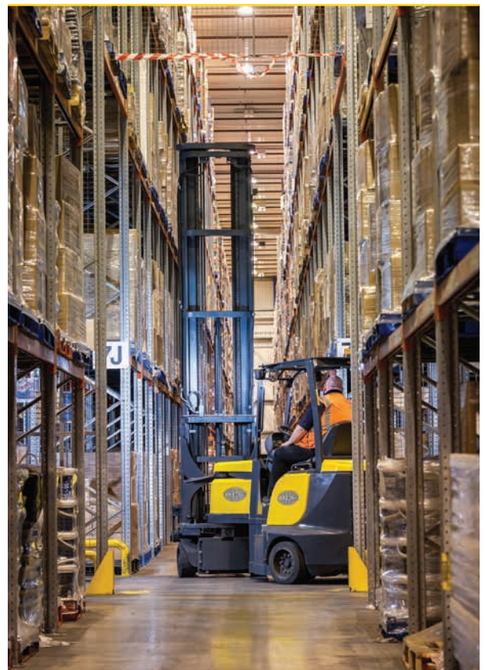
Our machines are built at our site in Monaghan – also home to our parent company Combilift. A state-of-the-art production line, plus extensive R&D facilities enable us to pursue our aim of continual product enhancement, thus giving our customers nothing but the best.

Aisle-Master trucks are tough, versatile and built to last. Designed to withstand heavy-duty use inside and out, each robust VNA articulated forklift truck is manufactured to the highest standards and distributed from our global headquarters in Ireland.

Our innovative products incorporate advanced technology and offer a key range of benefits, including higher reach and load capacity, driver comfort and safety, easy operation and efficient 19.5kw AC motors for low running costs – all contribute to higher productivity and better, more efficient use of available warehouse capacity.

That's not all either – each truck comes with a 5 year, 5,000 hours factory-backed warranty as standard, and free warehouse planning service – crucial reasons why our customers experience the highest levels of reliability at the lowest total cost of ownership.

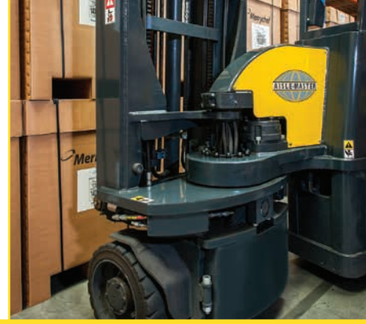
For quality and design you can rely on, and materials handling solutions you can trust, speak to Aisle-Master.



> "We need very robust trucks to handle our rigorous workload with the minimum risk of downtime. Thanks to the quality manufacturing process in Ireland I knew this was a machine we could rely on. Driver preference is also very important, and when surveyed, all drivers agreed that the Aisle-Master is better than other articulated trucks when it comes to smoother operation and mast stability at height."
>
> Hussein Lalani, Commercial Director, 99p Stores

Aisle-Master

Articulated VNA trucks – powerful, versatile, reliable



LIFTS HEIGHTS UP TO 15 m

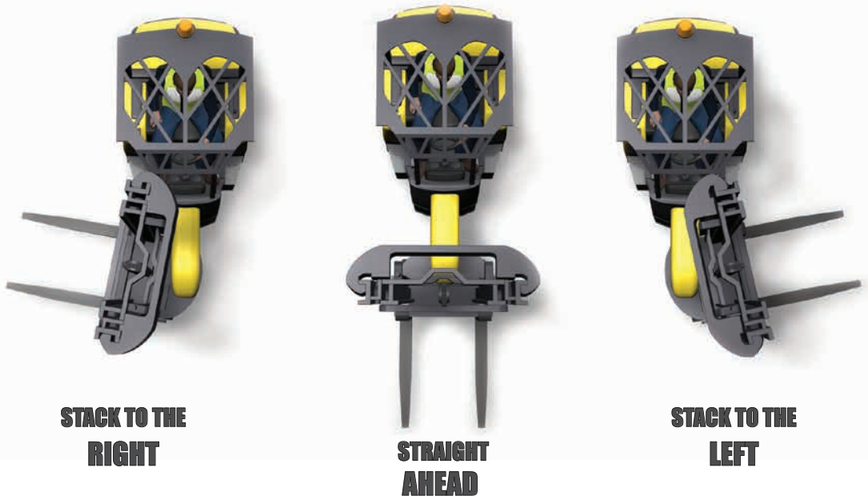
Increase your storage capacity by up to 50% compared with a counterbalance or reach truck

Why use an articulated truck?

Why choose an Aisle-Master vehicle? And, more crucially, why a VNA articulated truck? Designed to replace a number of other forklifts for more efficient offloading, handling and storage, the versatile VNA articulated forklift works as a counterbalance truck for offloading in the yard, taking loads directly to indoor racking.

With the ability to operate in very narrow aisles in the warehouse – as narrow as 1.6 m – the Aisle-Master articulated forklift increases and maximises storage capacity of working operations; whether it be current or new layouts.

What's more, by using the one truck, users can increase productivity and eliminate time-consuming double handling and speed up "truck to rack" operations.



STACK TO THE RIGHT

STRAIGHT AHEAD

STACK TO THE LEFT

WORKS IN AISLES AS NARROW AS 1.6 m

Ease of use indoors and out

Operators effortlessly save time and money with the one truck transporting loads from trailer to racking position in a single operation. Thanks to the large rubber tyres, operators can make light work of loading and offloading in semi-rough yards while enjoying a smooth ride regardless of the terrain.

AISLE-MASTER 50% EXTRA STORAGE

When you require additional warehouse space, you have two options – extend your existing facility or move premises. With an Aisle-Master articulated forklift, you have a third option. By optimising your racking layout and reducing aisle widths down to as little as 1.6 m, you can dramatically increase your storage capacity within your existing facility. An Aisle-Master is also the ideal choice when designing your new facility or warehouse, making the most of available space and maximising storage capacity.

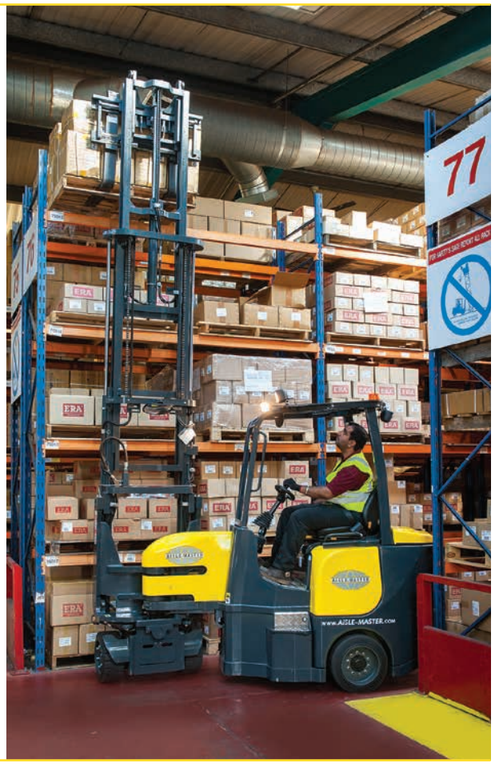
Invest in Aisle-Master
– gain productivity and storage

> " We have seen a marked increase in productivity levels at every site where the Aisle-Masters have been introduced, which is good for our operators who appreciate the technology incorporated into the trucks. It is of course also good for us and therefore beneficial to our customers. "
>
> Graeme Undy, Operations Director, Eddie Stobart

What benefits can a VNA articulated truck offer that others can't? For those users looking for a machine that offers superior ergonomics, quality design and build, easy operation and greater reach, the Aisle-Master has it all.

Need more space? Faster productivity and turnaround times? Advanced technology and easy operation? Look no further than an Aisle-Master forklift truck.

Ask any forklift operator what increases productivity and the answer will include superior ergonomics, safety, manoeuvrability and optimum stability. With an Aisle-Master truck, you get all this – and more.



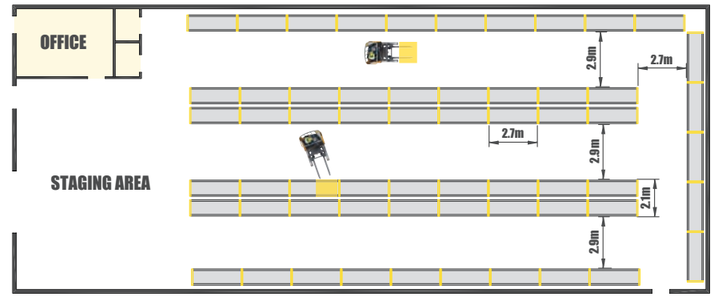
Features & Benefits:

- Available in electric and LPG powered models, the articulated design offers unbeatable manoeuvrability, providing faster load cycle times and reduced driver fatigue.
- Greater reach and capacity: each truck lifts to heights up to 15m, offers VNA operation in aisle-widths of just 1.6 m and has impressive load/lift capacity of upto 2.5t, increasing warehouse storage by 50% and lowering costs.
- Easy operation gives greater efficiency and higher productivity – resulting in better use of space and lower operating costs.
- Driver comfort and safety included as standard: enhanced cabin ergonomics and superb visibility lead to fewer operator health problems and less downtime, boosting driver satisfaction and productivity.
- High quality robust construction of chassis and mast using high-grade steel and castings – gives better reliability and longer life span, reducing total cost of ownership.
- Each VNA truck can operate on any floor surface, both inside and out, eliminating the need for both reach and counterbalance machines, so minimising costs.

FREE
warehouse planning service

Aisle-Master provides a complete warehouse planning service including racking layout proposals and storage density calculations. This free of charge service uses the latest CAD design technology to visualise the capacity potential within your facility.

BEFORE



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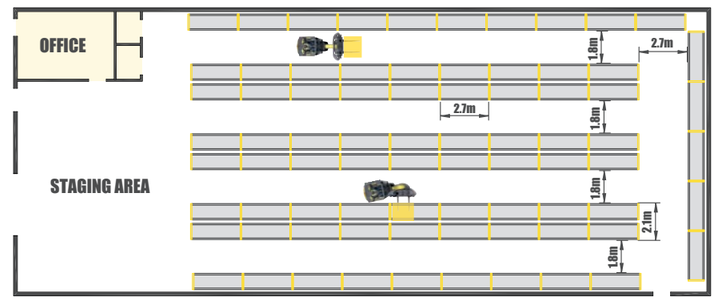


> " The Aisle-Masters have enabled our merchandisers to make maximum use of space to get as many products in our stores, which means more sales, so payback is quickly achieved. Our first truck is still going strong which proves just how robust and reliable they are. "
>
> Tomasz Chudowolski, Group Purchasing Director, Castorama

AC ELECTRIC

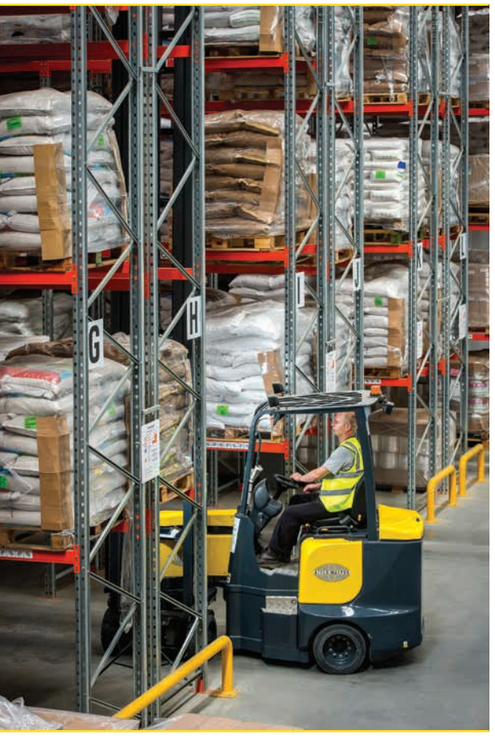
Increasing storage – reducing costs

All Aisle-Master's electric powered models now benefit from AC technology as standard. This puts the company firmly at the forefront of battery powered technology in the articulated sector.

- Quick & easy battery removal
- AC Traction motor (19.5 kw)
- A choice of 620/775/930 amp-hour capacity batteries
- Ergonomically designed operator's cab
- Reduced energy consumption

Benefits of electric

Main benefits of AC electric include enhanced performance levels, leading to increased pallet movements for greater productivity and improved acceleration and gradeability. There are also fewer wearable parts resulting in low maintenance and reduced downtime.



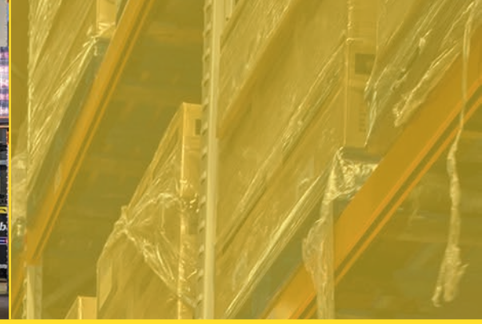
STANDARD SPECIFICATION	15E/20SE/20SHE/20WHE
Description	
Mast Range	4300 mm to 15000 mm
Overhead Guard*	2270 mm
Capacity	1500 kg to 2500 kg
Ground Speed*	16 kph
Lift Speed (Laden)	0.4 m/s
Lift Speed (Unladen)	0.5 m/s
Front tyre size*	412 x 174 mm
Rear tyre size*	457 x 178/229 mm
Gradeability (Laden)	12%
Gradeability (Unladen)	15%
Battery Capacity Range	620 Ah to 930 Ah
Battery Voltage	48v
Weight of truck (without battery)	5150 kg to 5510 kg
Weight of truck (with battery)	6400 kg to 7100 kg
Standard Colour*	Yellow and Grey
Standard Seat*	KAB

*Item of specification can be adjusted/modified to suit customer application and requirements. Fork length and lift height can be altered to suit customer application and requirements.

LPG

Advanced technology, cleaner emissions

Aisle-Master is acknowledged as the pioneer of LPG power in the articulated forklift sector. Aisle-Masters are fitted with a closed loop fuel system as standard, to improve emissions and fuel economy whilst a specially designed engine bay cooling system ensures the effective running of the engine for maximum uptime and reliability.



- Hydrostatic drive
- Closed loop fuel system as standard
- Engine bay cooling system designed to effectively cool the engine compartment, for maximum reliability

Benefits of LPG

The main benefit of LPG is reduced emissions levels, ideal for indoor and outdoor operation, making it useful for trucks that are used in almost all industries, even the most emission conscientious. LPG power also offers 24/7 operation with no loss of power.

STANDARD SPECIFICATION	20S/20WH
Description	
Mast Range	4300 mm to 12400 mm
Overhead Guard*	2311 mm
Capacity	2000 kg
Ground Speed*	11kph
Lift Speed (Laden)	0.4 m/s
Lift Speed (Unladen)	0.5 m/s
Front tyre size*	406 x 178 mm
Rear tyre size*	457 x 200 mm
Gradeability (Laden)	15%
Gradeability (Unladen)	15%
Engine	3.0l GM Water Cooled
Weight of truck	6400 kg to 7000 kg
Standard Colour*	Yellow and Grey
Standard Seat*	KAB

*Item of specification can be adjusted/modified to suit customer application and requirements. Fork length and lift height can be altered to suit customer application and requirements.

Combi-WR Walkie Reach-Stacker

Winner of the FLTA Award for Ergonomics 2014

The Combi-WR is the first purpose built pedestrian reach-stacker with the capability to operate in a VNA working aisle – down to 2.1 m. This is achieved through a unique patented multi-position tiller arm that places the operator in the safest possible position.

Incorporating the benefits of AC technology in its traction, pump and steering motors, the Combi-WR has a lift height that can be tailored to your application with load capacities up to 1,450kg.

Electronic power steering and fingertip controls ensure effortless operation, even in the most demanding environments.

Description	Standard
Mast Range	3000 mm to 4900 mm
Overall Length	1950 mm
Fork Travel	590 mm
Ground Clearance Under Mast	80 mm
Ground Clearance to Centre of Wheelbase	50 mm
Width	1320 mm
Outside Spread of Fork Arms	815 mm
Track Front	1165 mm
Frame Opening	1008 mm
Load Centre Distance	600 mm
Overhang Front	603 mm
Wheelbase	1172 mm
Overhang Back	175 mm
Fork Side Shift	80 mm Left / 80 mm Right
Length from Face of Fork	880 mm
Fork Backward Tilt	3°
Fork Forward Tilt	3°
Minimum Outside Radius	1350 mm
Leg Height	127 mm
Leg Length	530 mm
Capacity	1450 kg @ 3200 mm Lift
Unladen Weight	2500 kg / 2600 kg / 2700 kg
Maximum Ground Speed	6 Km/h
Gradeability	5%
Battery Capacity	24V / 270 Ah
Fork Section	35 mm x 100 mm x 1070 mm
Front Tyre x (Polyurethane)	OD 127 mm / Width 75 mm
Rear Tyre (Vulkollan)	OD 250 mm / Width 75 mm
Standard Colour	Yellow and Grey
AC Electric Traction Motor	24V / 2.5 kW
AC Electric Pump Motor	24V / 5 kW

- Unique pedestrian walkie reach-stacker
- AC electric motor
- Electronic steering and fingertip controls for precise handling
- Works in a standard VNA working aisle, down to 2.1m

Aisle-Master

Aftercare and warranty

Our comprehensive Aisle-Master dealer service network ensures the very best quality support is only a phone call away.

All engineers working on Aisle-Master equipment are factory trained and on call out stand-by, to efficiently repair your truck. This ensures you receive expert support on site and that our dealers also have direct access to the factory for technical back-up. Our dealers offer a wide range of service packages – each tailored to suit your application and budget and designed to ensure your operating costs are minimised.

All Aisle-Master product is uniquely factory backed by a 5-year or 5,000 hours parts warranty as standard, giving you total peace of mind across the life of your truck and ensuring lowest total cost of ownership.

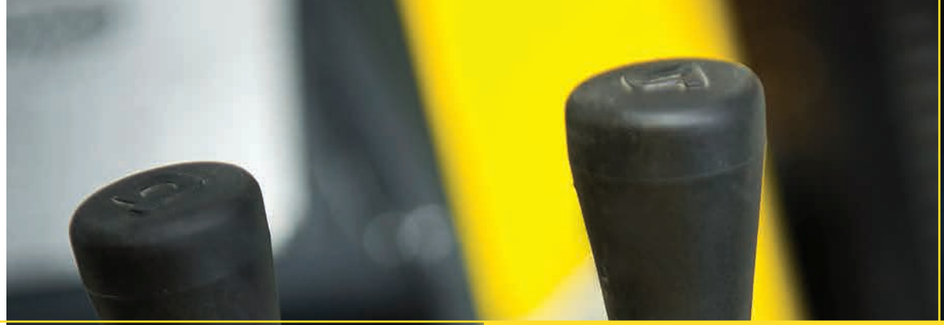
Technical Support

By phone

Due to the straightforward nature of our products, difficulties can often be easily solved over the phone. Our engineers and local subsidiaries provide excellent telephone support with quick, effective solutions and offer an immediate response in urgent situations.

At your location

If you need a call out, our dedicated team of technical support engineers are certified to a high standard and are proven problem-solvers with a personal commitment to keeping downtime to a minimum.



"Due to the widely varying sizes of pallets we handle the integral hydraulic fork positioner has proved to be a great time saver. The drivers use it virtually all the time and there is no longer any need for them to keep getting on and off the trucks to manually adjust the forks, which is also better from a health and safety point of view."

Gareth Barnes, Warehouse Manager, Mibelle Group UK

"We trialled a number of brands but factors such as robust build and design quality and the Aisle-Master manufacturer's willingness to tailor aspects of the trucks to our individual requirements made it the only viable contender. We have also been able to reduce our overall forklift fleet down from seven to six which fits in well with our company's lean management strategy which aims to remove non value added equipment from the business."

Craig Wilkins, Warehouse and Value Stream Manager
Manitowoc Fluorescein

Sales | Support | Rental

Parts Warranty – 5 Years or 5,000 Hours

Aisle-Master is an established manufacturing company producing high quality, innovative materials handling solutions at its headquarters in Ireland.

Designed to reduce aisle widths and improve productivity, the versatile, articulated Aisle-Master VNA truck that 'does it all' is produced by a company synonymous with quality, innovation and reliability. Aisle-Master – a name you can trust to provide forklift trucks engineered to deliver.

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