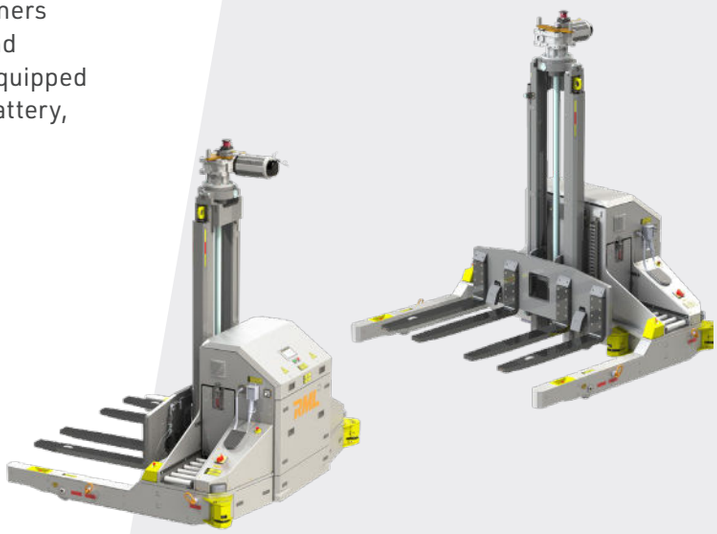
Automated
Guided Vehicles

We offer AGVs that are key to maximising industrial automation and logistics. Our AGVs are engineered to provide a solution to material handling processes providing unmatched efficiency and reliability.

The VFS01-2.0-2500 forked straddle vehicle can provide a 2500 kilogram lifting capacity, up to a lift height of 2.0 metres via a Hydraulic free lift system, making this vehicle suitable for sensitive areas in your factory. A vehicle speed of up to 2.0m/s allows for fast handling of material & finished goods, reducing the need for operator controlled vehicles, whilst providing accurate positioning via laser scanner.



Two forward facing, and one rear facing Safety Scanners provide a safe working environment for operators and vehicles to co-exist in the workplace. The VFS01 is equipped with contacts to allow automatic recharging of the battery, reducing time lost to battery exchange.

Key features and benefits

- Laser Navigation - ability for multi mode
- Laser Scanner Safety Monitoring
- Electric AC Drive & Steer Componentry
- Designed to IS03691-4:2023
- Customisable to suit customer material handling requirements

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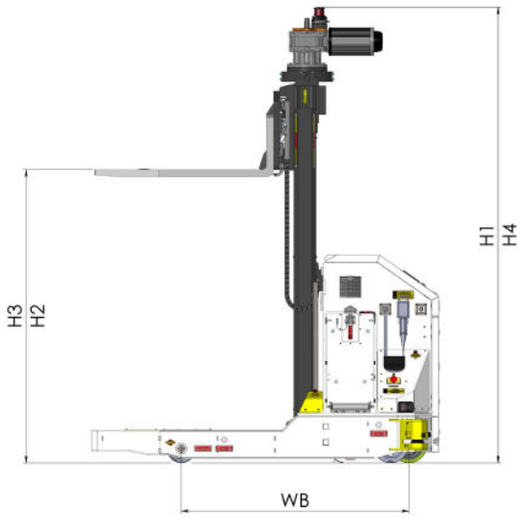

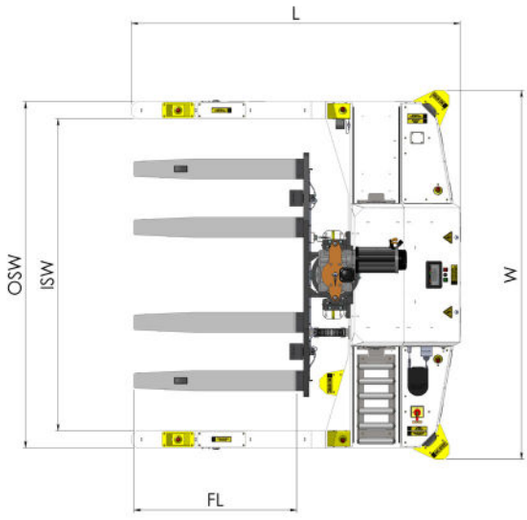

Specification		VFS01-2.0-2500
Vehicle Type		Forked Straddle Vehicle
Vehicle Mass (unloaded, inc, battery)		3500kg
Vehicle Speed		1.7 m/s (2.0 m/s optional)
Mast Type		Single Stage Endless Screw
Load Capacity (at 600mm)		2500kg
Lift Speed		100 mm/s
Height	H1	3200 mm
Minimum Fork Height (top of fork)	H2	50 mm
Maximum Fork Height (top of fork)	H3	2050 mm
Height At Full Stroke	H4	3200 mm
Length	L	2425 mm
Width	W	2720 mm
Wheel Base	WB	1590 mm
Outer Straddle Width	OSW	2550 mm
Inner Straddle Width	ISW	2300 mm
Fork Length	FL	1200 mm
Maximum Pallet Size (LxW)		1200 x 2200 mm
Navigation Type		2D Laser & Reflector (options for other methods)
Safety Devices		2 Forward & 1 Rear Laser Safety Scanner, 6 E-Stops
Battery Type		Thin Plate Pure Lead (TPPL)
Battery Capacity		320 Ah
Battery Charging		Exchange Or Via Vehicle Fitted Contacts