

Smart stacking and lifting Solutions from



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Introducing **QUIKSTAK** "smart-stackers"

Quikstak stackers are much more than just another brand of stacker – they are unique, efficient handling solutions. Besides being exceptionally easy to move and steer, **Quikstak** stackers offer features specifically designed to improve productivity, while reducing or eliminating the risk of operator injury.

The infra-red height-sensing function on **Quikstak** 'smart-stackers' detects the height of the load, and automatically adjusts the fork height to ensure maximum efficiency and operator safety. This feature offers significant benefits wherever product is manually loaded onto, or taken off pallets.

Quikstak 'smart-stackers' are available as either 'pushed' versions or 'self-propelled walk-behind', and are available in a range of lift heights and weight capacities.

Features:

Simple, clear controls

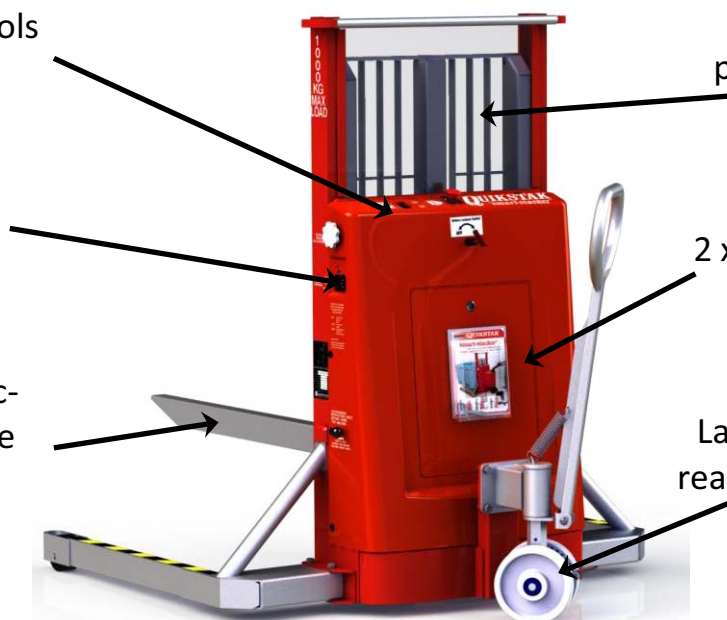
Fully automatic
industrial-duty
battery charger

All steel parts zinc-
plated for long life

Unbreakable
polycarbonate safety
screen

2 x 55-amp/hr batteries
(24-volt system)

Large diameter steered
rear wheels with Quik-click
park brake





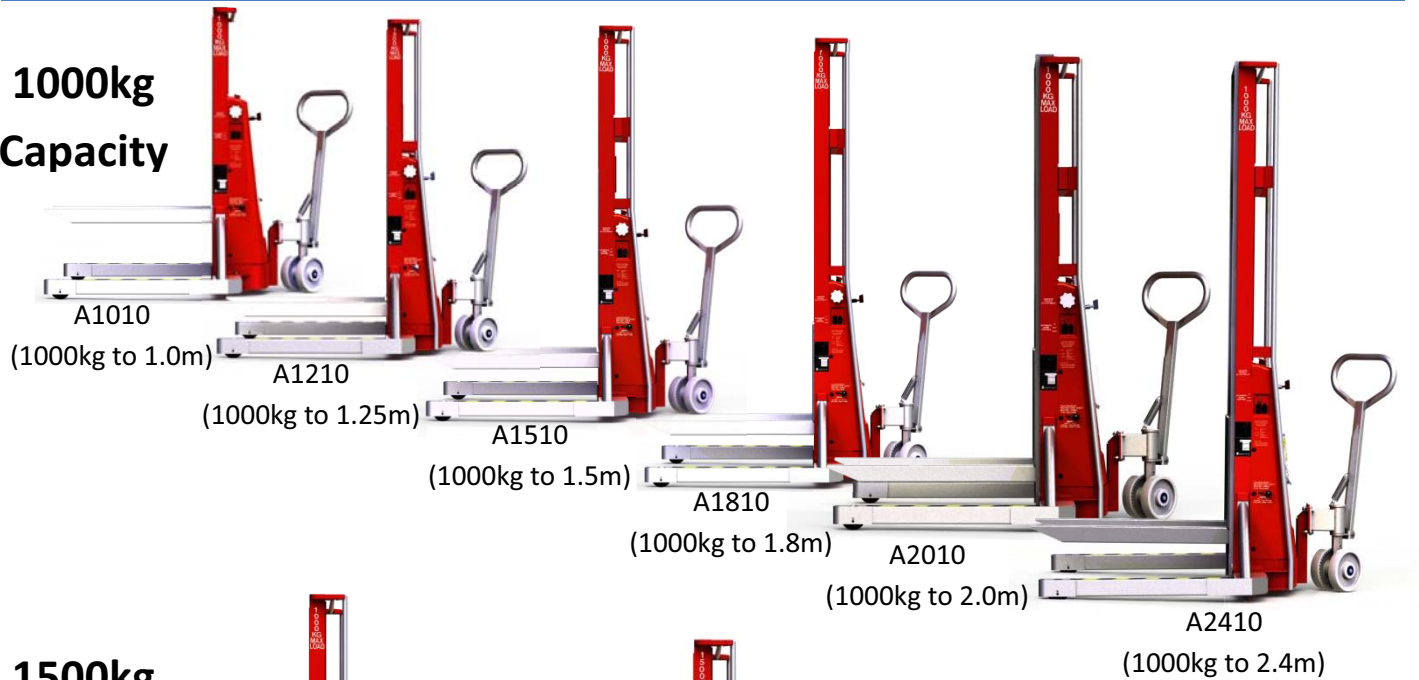
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Standard range available:

1000kg Capacity



1500kg Capacity



2500kg Capacity



Drive Unit



All models are available either as manually propelled or self-propelled



Infra-red height-sensing function

The infra-red height-sensing function on **Quikstak** 'smart-stackers' is a unique, patented feature that sets them apart from all other stackers.

The infra-red beam is like an eye watching the top of the stack, and signalling the forks to go up or down, so the operator is always working at a comfortable height.

On most models, the sensor is mounted right inside the body of the machine, and the height is easily adjustable from 750mm to 1 metre off the floor. The range is also adjustable up to 750mm from the sensor. The sensor is a retro-reflective type, and can detect almost any product within its range. However, it does work more effectively on light-coloured and shiny surfaces



If a pallet is being unloaded, the load lifts until the top of the stack reaches the preset level. Once the top layer has been removed, the forks automatically lift again until the top of the stack is at the right height. Note that the amount it lifts each time is not affected by the weight of the product, so it will work just as well lifting pallets of empty plastic bottles, bags of cement, or timber boards.

If product is being loaded onto a pallet, the sensor will detect when the first box or board is placed on the pallet, and go down until the top of the stack is at the pre-set height. If boxes are being loaded, the rest of that layer is usually added, then when the first box of the next layer is added, the forks will go down again.

Various safety features are provided; for example, the forks stop at about 150mm above the floor in auto-down mode, to prevent an operator's feet being accidentally crushed. The manual lowering control must be used to lower the pallet fully.

Height-sensing Options:

- The height sensor can be mounted externally at any height. This is useful if the operator is standing on a raised platform.
- A time delay can be introduced between when the sensor detects the product and the forks actually moving. The delay can be a fixed time (e.g. 1 second), or adjustable by a knob on the control panel. This feature is especially useful when feeding long timber boards into or out of other machines, so the forks do not move for several seconds after the board has gone out of the sensor's range.





Other options and accessories

Outrigger options:

The standard outrigger straddle width on 1000kg and 1500kg models is 1250mm, which suits a 1200mm-wide pallet. As the outriggers are simply bolted onto the main frame, custom widths can be mounted. The minimum distance between the outriggers is 700mm.

The standard width on 2500kg models is 700mm, but other widths are readily available.

Fork options:

The forks on standard 1000kg and 1500kg models are fabricated from hollow-section steel, and are 75mm high. 2500kg models are fitted with 40mm-thick solid forks. Various options are available, including different lengths, widths, and fork heights.

Quikstak stackers can also be fitted with accessories such as platforms, roll-holder frames, rotators, and drum grabs.



Wheel options:

The standard outrigger wheels are 100mm diameter black moulded nylon. The standard rear tiller wheels are 200mm diameter white nylon, with special grooves machined in the rims for the 'Quik-clic' brake. **Quikstak** stackers are exceptionally easy to move and steer; even a fully-loaded 2500kg model can be easily moved on average floor surfaces.

Urethane-tyred wheels can be fitted, but generally these require more effort to move. If the floor surface is poor or if ramps have to be negotiated, the drive unit option should be selected (see below).

Drive Unit:

All models in the **Quikstak** range are available with an electronic drive unit instead of the standard rear wheel assembly. The drive unit makes moving loads completely effortless, and is especially useful when moving up or down ramps.

The drive unit has infinitely-variable speed control in both directions, and is fully programmable.



A programming unit can be easily connected to the controller, for setting up the parameters and performing diagnostic functions.



Construction:

All steel parts on standard **Quikstak** 'smart-stackers' are zinc-plated before assembly. The main frame is painted with automotive-quality enamel after plating.

Quikstaks can be built entirely or partly from stainless-steel for use in critical-hygiene areas, or where corrosive chemicals are used.

The main frame, forks, and outriggers can also be hot-dip galvanised if required.



Lift Heights:

Quikstak stackers can be custom-built to non-standard lift heights if required.

Compressed-air power:



In areas where there is a risk of explosion, **Quikstak** stackers can be provided with a compressed-air driven hydraulic power-pack. The overall performance of the machine is similar to a standard battery-powered model. The compressed air is used to raise the load only. Once a load has been raised, it is supported by the hydraulic system and will not come down if the air supply is disconnected.

An air supply of at least 120 litres/minute at a minimum of 7 bar is required.

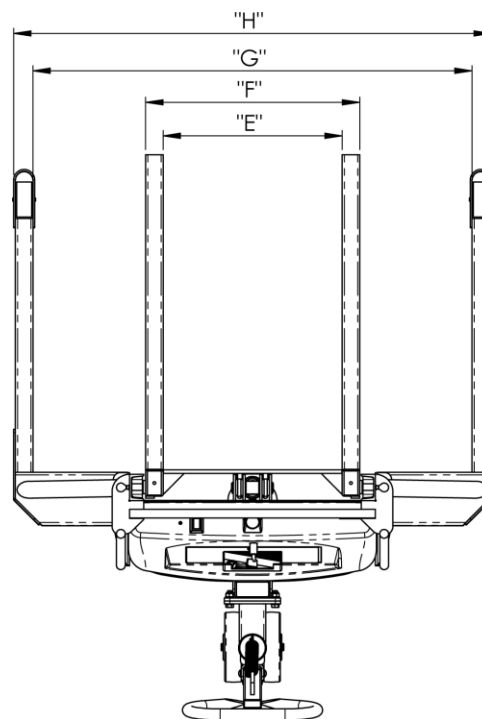
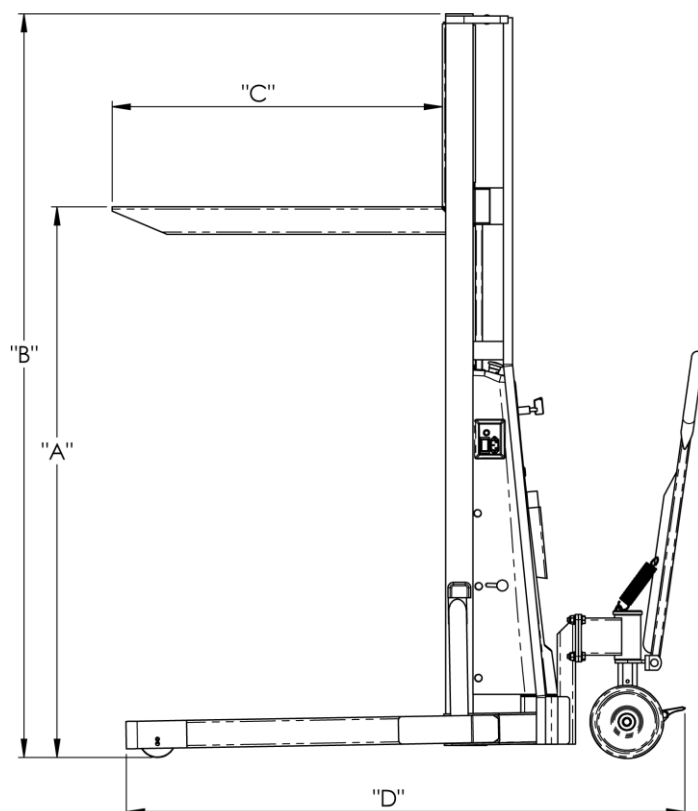
Mains Power:

If the stacker is to be used in a stationary application, a mains-powered power-pack can be fitted, either 3-phase or 1-phase.

Built-in Digital Scales

Built-in digital scales can be fitted to some models of **Quikstak** 'smart-stackers'. Several options are available, with accuracy up to $\pm 0.5\text{kg}$.

Standard Dimensions:



DIMENSIONS			
Model	Weight capacity (KG)	Maximum height of forks ("FH" mm)	Overall height (forks lowered) ("MH" mm)
1010	1000	1000	1525
1210	"	1250	1775
1510	"	1500	2025
1810	"	1800	2325
2010	"	2000	2025
2410	"	2400	2425
1015	1500	1000	1775
1215	"	1250	2025
1515	"	1500	2275
1125	2500	1100	2175
1225	"	1200	2275
		1000 & 1500KG	2500KG
Standard fork length ("FL" mm)		900	1070
Overall length ("OL" mm)			
Length with drive unit ("OD" mm)			
Overall length with drive unit, to handle			
Standard width inside forks ("FI" mm)		510	460
Standard width over forks ("FO" mm)		610	650
Distance between outriggers ("OI" mm)			
-Standard		1250	700
-Minimum		700	700
-Maximum		1500	1250
Width of outriggers at wheel ("WO" mm)		60	122

Also available from Spacepac industries:

Multi-Tip
bin tipper



Dumpmaster

Standard series bin-tipper



MegaDumper

Heavy-duty bin-tipper



Dumpmaster

Wide series bin-tipper