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CONVEYORS

speed up your loading bay

news

New for 2010

The world's first fully automated conveyor for carton loading

In 1990 Newland developed the world's first fully Automatic Telescopic Belt Conveyor for the loading of parcel sacks, which has been a great success.

New for 2010, Newland are proud to announce yet another first – a fully Automatic Telescopic Belt Conveyor for the loading of cartons.

In 2009, Newland were approached by QVC UK – one of the world's leading multimedia retailers – to supply one of their Autoloaders for the loading of 40ft/45ft trailers with cartons of various sizes at its Knowsley Distribution Centre.

This was a major challenge as cartons behave differently during the fill operation from the plastic sacks Newland were used to dealing with on the Autoloader. The challenge was even greater as QVC had a strict requirement for minimal carton damage and for a higher throughput. The Autoloader was required to equal or exceed an average of 1750 packages and packaging damage was to be equal to or less than their existing method. In fact, a test was carried out at the place of unloading recently and from a random selection of 200 parcels, there was zero product damage.

Rising to the challenges, Newland placed a trial machine on site for three months prior to an order being placed, which enabled the initial software programme to be developed.

The Newland MTC3XXX Autoloader Multi Stage Telescopic Conveyor features Siemens S200 PLC controlled machine motion to a pre-defined loading pattern. Sensors on the front of boom 1 detect product build-back during the loading operation and the trailer sides and roof as the boom moves in accordance with the pre-programmed path.

The machine is fitted with motorised hydraulic height adjustment to raise and lower the front of the telescopic boom. A combined powered slewing/traversing chassis permits side-to-side motion. Mounted on rails in the floor, the conveyor can traverse across multiple loading doors.
Both Newland and QVC are delighted at the success achieved due to the contribution of both parties to the development work.

Michael Ball, Engineering & Process Improvement Manager, QVC, UK, comments:

"Working closely with us, Newland has done a tremendous job developing the world's first fully Automatic Telescopic Belt conveyor for loading cartons and over - bagged product and have fully met our throughput requirements and demands for minimal packaging damage. More importantly, employees are now more productively employed within our Distribution Centre".

To see a video of the QVC Autoloader in operation, see our website www.newland-conveyors.com

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Introducing...

The new 16 metre 'MANRIDER' the ultimate in vehicle loading technology from newland.

As the UK's leading manufacturer of telescopic boom conveyors, with over 47 years of expertise in their field, Newland Engineering charged their Technical Manager, Alan Howarth with the task of designing a new 2 Man 'Manrider' Telescopic Conveyor with a reach of 16 metres.

Illustration showing Platform Down

Named the MTC160 'Manrider' this next generation telescopic conveyor comes complete with a 2 man carrying fold-up platform for a maximum of two operators to stand on. Using push button controls mounted on the platform console, the operator can extend the conveyor and adjust the height so that he is positioned exactly where he needs to be. The belt direction can also be altered from this position for loading or unloading.

The platform can simply be folded up when not required, to allow maximum accessibility if loading close to the floor of the container/trailer.

Embracing all the latest advances in vehicle loading technology, and complying with current health & safety legislation, each machine has full CE Certification.

Safety Features Include:

- Hold to Run Push Button for In/Out & Up/Down
- Anti-Crush Bars on extension with platform in Down or Up position.
- Belt Underguarding
- Height Sensors when raising machine
- Anti-Nip Dummy Ends on front roller.

Ergonomically designed the MTC160 'Manrider' can be used to load or unload a diverse range of loose-loaded goods including parcels, boxes, sacks, tyres, mattresses etc.

Significantly reducing the amount of manual handling required by operatives, investing in a Newland conveyor has enormous benefits in terms of improved operator safety and safer product handling, with the added advantages of improved efficiency, reduced operator costs and faster vehicle turn-round. So not only do you please your Health & Safety Officer, you put a smile on your Accountant's face as well!

Prospective customers can feel confident in the knowledge they are purchasing a well-engineered, quality product manufactured by Newland Engineering at their premises in the UK, capable of withstanding the rigours of the toughest of warehouse environments.

Illustration showing Platform Raised

NEWLAND ENGINEERING CO LTD
Broadway Industrial Estate, Hyde, Cheshire, SK14 4RF Tel. +44 (0) 161 368 0326 Fax. +44 (0) 161 367 8004
Email: info@newland-conveyors.com Website: www.newland-conveyors.com