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Deck loader offers solid alternative

As high rise construction sites are squeezed into smaller and smaller spaces, the challenges of delivering materials and equipment to each floor and installing façade panels such as curtain walling becomes more difficult.

Traditional solutions include tower cranes, material hoists and more recently spider cranes or small pick&carry cranes. UK-based tower crane specialist Vanson has introduced a safe and efficient alternative called the PS32 Deck Loader - essentially a light weight, trolley mounted compact crane, with a six metre telescopic boom and a capacity of 3,200kg at full extension. The crane also carries enough wire rope on its winch drum to lift up to 120 metres under hook

with two falls of cable for maximum capacity, or up to 240 metres with a 1,600kg load on single line. The three speed hoist offers line speeds of up to 120 metres a minute.

The Deck loader can be installed free standing on its jacks, with a rear mounted counterweight or bolted into place below and above. Total weight is 4.5 tonnes spread over four outrigger legs, which also allows the unit to be levelled on stepped floors. If it needs to be moved it can be pushed or towed



C&a

innovations

The PS32 Deck Loader.

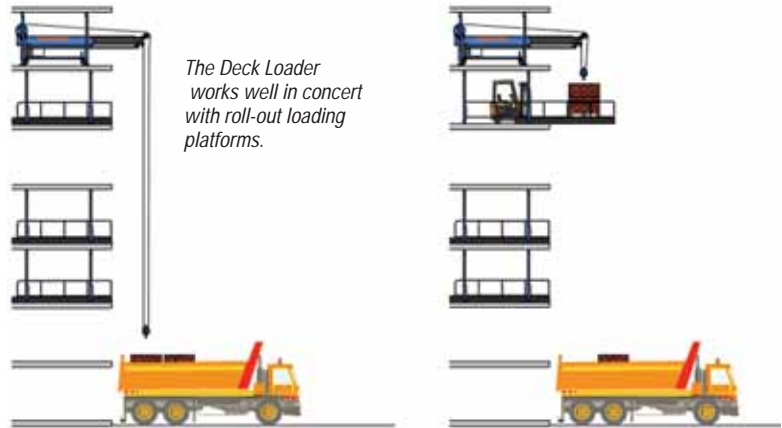
on its castor wheels or lifted with dedicated lifting lugs.

The crane is controlled via a low voltage wander-lead remote control cable which allows varied locations for clear line of sight operation. The working concept of the Deck Loader is for it to be installed on an upper floor above a delivery bay and then work in conjunction with roll out

loading decks on each level below. The benefits are that it eliminates the need for telehandlers or tower crane for routine unloading and placement work, freeing up space on the ground which might not even exist, while offering higher capacities and under hook heights than most mini cranes.



The Deck Loader can be set up on stepped surfaces.



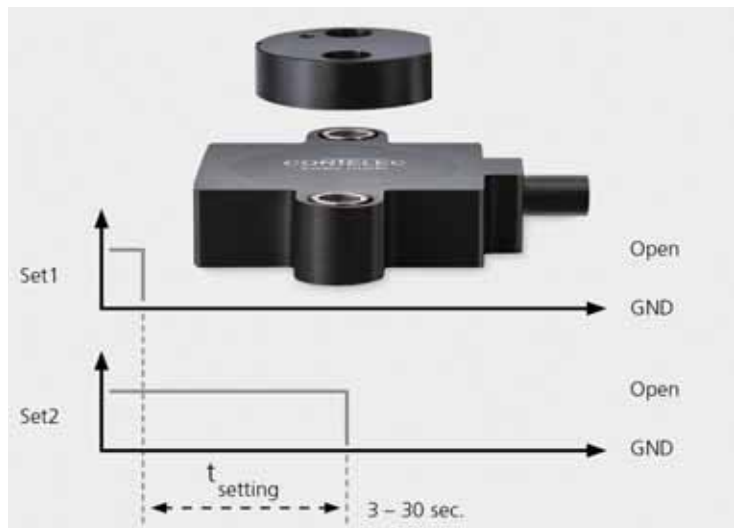
The Deck Loader works well in concert with roll-out loading platforms.

A better angle sensor

Swiss-based Contelec has launched a new rotary encoder solution, which enables easy configuration of angle sensors based on Vert-X MH-C2 technology. The new device allows the easy setting of the zero, middle points, start and end points and the sense of rotation without the need for any set-up aids, significantly simplifying installation and adjustment.

The rotary encoder has two additional digital inputs (Set 1 and Set 2), which are used to set the sense of rotation (tilt), the start and end point and any reference points in between such as zero. All that is needed for a standard set-up procedure is to connect the two input leads to ground in a specific sequence. The configured parameters are then saved in non-volatile memory on the device. Rotary encoders with integral

'setting features' eliminate the need for mechanical adjustment of the angle sensors, permitting high-precision angle measurement in systems which mechanical adjustment is difficult or impossible. They also maximise the accuracy of measurement in applications involving wide installation tolerances. As such they also allow easy compensation for mechanical inaccuracies and for mechanical wear by 're-adjustment' in the field.



A Contelec angle sensor with rotary encoders.

enquiries

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