



# Product Handling Innovation





**Loadhog Limited is an award winning company, built on a commitment to provide solution driven reusable packaging products. At the core of this commitment is Loadhog's state-of-the-art manufacturing facilities based in Sheffield and a continual focus on and investment in 'ideas and innovation'.**

Since starting production of the Loadhog Lid in 2004, Loadhog has developed and brought to market a number of additional products, all unique and innovative, all patented and all in response to specific customer and market driven requirements.



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The **pallet** and **dolly** in one

**Offering a truly one touch Materials handling platform, the Pally seamlessly integrates all the features of both a pallet and a dolly in one ingenious, patented design.**

Compatible with automated production lines and conveyor systems as a pallet but with the ability to instantly become a dolly at any point in the supply chain, the Pally will deliver significant reductions in supply chain handling and increases in productivity compared to traditional equipment and practices.

- **One pedal push to engage pallet/dolly form**
- **Rated for up to 500kg load**
- **No additional lifting equipment required**
- **Actionable from both ends**

## **In the supply chain as a pallet**

A stable and immovable 800mm x 600mm pallet that is compatible with automated lines, racking, storage and mechanical handling equipment.



## **In the supply chain as a dolly**



A fully mobile and manoeuvrable 800mm x 600mm wheeled dolly unit that provides a highly efficient way of moving goods between supply chain processes without the need for additional equipment.

## Tray location features

The top deck of the Pally is designed to receive and nest with standard trays/foies



## Stackable when empty

There are location points on the top deck for easy stacking when empty as a pallet or a dolly



## Manual handling features

Dedicated hand holes for manual lifting and stacking of the unit

## Dedicated push/pull handle locations

Locations at the swivel end for the use of a dedicated handle



## Two swivel, two fixed castors

Housed and protected within the pallet bearers, the castors are engaged with the ground when the Pally is in its dolly form.

The swivel castors are located at the same end of the unit as the handle location points for optimum manoeuvrability



## Pallet to dolly

ONE half pedal depression to release pallet bearers and engage castors with the ground



## Dolly to pallet

ONE full pedal depression to engage pallet bearers and lift castors from the ground



## Pedal lifting mechanism

Pedals located at both 600mm ends of the unit for ease of use and accessibility

# ...and with the addition of the Loadhog Lid; a complete **reusable** product handling system

The self-securing Half Euro sized Loadhog Lid is the award-winning 'green' way to secure a level load to the Pally.

An injection moulded polypropylene lid with two integrated, retractable strapping mechanisms, the innovative Loadhog system completely replaces stretch wrapping and banding, bringing major cost savings by reducing labour requirements and eliminating single-use packaging.

- Increases in supply chain productivity plus cost savings
- Complete elimination of one-trip packaging waste
- A dedicated double stacking platform delivering increases in vehicle fill
- Maximum load stability and security



# A growing pedigree of innovation, success and customer focus in mail handling: **Norway Post**

## Bespoke **load securing lid** solutions:

### Loadhog first introduced their innovative re-usable pallet lid system to Norway Post in 2006.

Norway Post had certain very specific and highly developed requirements; any lid solution needed to:

- Be robust, re-usable and match precise pallet foot print
- 100% eliminate the need for disposable packaging
- Enable efficient securing of loads at remote locations without additional equipment
- Maximise trailer fill through secure double stacking of 800mm x 600mm Half Euro pallet crates, plastic trays and 1200mm x 800mm Euro pallet configurations
- Provide waterproof and tamperproof security
- Allow for easy manual handling

## A bespoke solution:

Through the flexibility of vacuum forming, Loadhog used the standard lid platform to create a bespoke solution for NWP, changing the position of the standard lid's retractable strapping mechanism to the 800mm side of the lid and adding a specific hook dedicated to Norway Post pallets. Pallet registration features to 'lock' double stacked pallets in place, a rubberised anti-slip topface and tray-specific indentations on the underside of the lid to secure any combination of trays and larger pallet crates were all included.

Security seals were also designed into the lid to prevent opportunistic load tampering, with capacity for RFID technology if needed in future years. Finally, handles were integrated down the 600mm sides of the lid to allow for easy carrying and provide an aid for dolly manoeuvring in manual areas of the supply chain.

The new concept was presented to Norway Post within one day of the initial meeting. The final design was agreed after ten days, and the production units began only ten weeks from the first meeting.

Peter Andresen of Posten Norge commented,

**“We have now introduced 10,000 re-usable pallet lid systems throughout our letter and small parcel operations. We now have zero plastic waste from discarded securing wrap, we can secure our pallets faster, the letters themselves are more secure and we can maximise our trailer cubage through secure double stacking of Euro, Half Euro or bulk pallet crates – quite a change!”**

