Case Study Report

Best Handling Technology's *ezzLIFT* battery-powered reel lifting solution supplied for Nutrition Packaging Industry

SUMMARY	
Industry	Nutrition Packaging
Product to be handled	Reels of plastic films
Equipment supplied	Multifunctional lifting trolley with reel clamping & turning expander
Application	reel lifting and turning to pick up from a pallet and feed into a packaging machine

Description of the handling application:

In order to protect the health of the employees and to improve efficiency during the packaging process of food products, a leading nutrition industry company requested our help to design a lifting-trolley. The task was to transport reels of material to load the shaft of a shrink wrapper in their manufacturing line. The operators used to lift a 22kg reel of film from a pallet and put it in front of the shaft of a shrink wrapper manually.

Product	Reels of plastic film
Weight	22 kg
Dimensions	220 mm x 550 mm
Core	carton core 76 mm inside diameter
Min. level	from Euro pallet 144mm + 550 mm, vertical
Max. level	1.6 meters above ground, horizontal

Proposed Solution by Best handling technology:

Lifting Trolley equipped with clamping, turning and pivoting expander. The expander picks up the reels vertically, turning by 90^0 and transfer horizontally. Additional feature: pivoting sidewise to reach multiple reels placed on one pallet. Material: stainless steel

Benefits for the customer:

Safe: rolls cannot fall off the expander, fitted with expanding serrated jaws even providing maximum grip and cater for core diameter variations.

Productive:. By loading the reel from the pallets onto the trolley, the lifter reaches more than ½ way into the pallet. The operator always has a reel loaded on the trolley and ready to swap once one reel had run out on the packaging line.

Ergonomic: The reel handling trolleys are **ergonomically** designed for effortless handling to suit the users with a customised expander used for lifting, handling and rotating reels or rolls of film by gripping the reel's core.