

“With the integration of a fully automated semi-liquid line, the packaging area has become a one man operation, keeping our running cost to a minimum .”

NEW BRITAIN OILS (UK)

Jim Park
Operations Manager

NEW BRITAIN OILS is one of the world's leading producers of certified sustainable palm oil and derivatives. They offer their own branded range of frying oils and bakery ingredients as well as bulk products for industrial use in the food and personal care sector. The company manages every stage of the supply chain from planting and picking to transportation, refining and packing of sustainable palm oil.

For their new plant in Liverpool, producing bulk palm-based products, they required a complete and fully automated high speed line to pack and weigh fill refined palm oil into poly bag lined 12,5 kg boxes.

“Since the construction of the new production plant, we've already involved Pattyn Packing Lines in the process which offered the big advantage that we could integrate a perfect layout, tuned to the building”, explained Jim Park.

“As top of the range supplier and reference in the semi-liquid market, Pattyn Packing Lines delivered a complete packaging line from case erecting up to palletizing with the necessary buffers in between the machines.”

“The Flexim-21 bag inserter, performing made-to-measure bags from a reel, ensures maximum hygienic conditions. As we also have the ability to source our film material from numerous suppliers we keep the costs competitive.

With the compact and most accurate weigh filler AVL-24 we fill 10,5 ton of palm oil / hour with a minimum of



product giveaway. The standard fast & slow mode and self regulated valve closing enables the filler to provide an automatic after-fall correction. In order to prevent spillage during case transfer, additional drip catchers are provided.

Thanks to the different control units, which are integrated in the bag decuffer folding machine, we benefit from a fully automated solution. Although there were a few minor issues with the decuffer folder during start up, they were quickly and easily solved and rectified”, concluded Jim Park.



“Involving Pattyn in the construction process of the new production plant, offered the big advantage that we could integrate a perfect layout, tuned to the building”

PRODUCT & CONTAINERS

- Palm oil, packed into 12,5 kg boxes

CHALLENGE

- Fill a range of semi-liquid products into lined cartons at high speed
- Minimize cost of manpower & packaging material

RESULTS

- Fully automated semi-liquid line, with capacity of 10,5 ton/hour operated by one man
- Best price / bag thanks to the use of parent film reels
- Maximum hygienic conditions, using film from a reel and conveyors with roof

Watch the video at pattyn.com