

High speed bag handling for KP Foods



The complete project was handled very professionally and efficiently from concept through to product commissioning and I would have no hesitation in recommending the CKF team

*Steve Clarke
Project Manager, KP Foods*



The challenge

To install a high complexity product distribution system, capable of performing a fully flexible operation for handling bags of Hula Hoops at KP Foods factory in Ashby-de-la-Zouch, Derbyshire.

The system would be expected to increase productivity, reduce down time and eliminate cross contamination.

It demands strict project management disciplines to ensure that the full system is completed in a pre determined phased arrangement to meet production schedules without impacting upon existing operations.

Our approach

With over 10 years of knowledge and expertise in the areas of high volume, high speed product distribution systems, CKF firstly replicated the current system within its own premises to understand its characteristics in detail.

The new distribution system was incorporated into the dedicated production facility to create a fully flexible operation, receiving product from eleven designated packing/storage centres ready for delivery to four high speed multi pack lines

The system incorporates over 100 specialist conveyors including a variety of swan-neck elevators delivering product from ground floor level through to heights of up to 6m. These are configured to suit existing operation and equipment, integrated with a series of dedicated reversible conveyors to direct the flow of bags as required.

Specific features included high side guides and minimal transfers to maintain integrity of the product packaging and fully contain bags to eliminating cross contamination with adjacent lines.

How did CKF deliver client value?

This was a project of great complexity, requiring a collective 'brain-pool' of electrical, mechanical and design engineers working closely alongside the KP Foods work force and management, from concept to installation. The project was commissioned on time and within budget without effecting existing operations. The solution provided by CKF has increased productivity, reduced downtime, eliminated contamination and impacted significantly upon bottom line costs.



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