



Endoline, working with Conveyor Systems Ltd, has created a customised end-of-line packing operation for GA Pet Food Partners - meeting space requirements and providing a long term automated solution which will enable the company to meet future demand.

Scenario

As Europe's leading manufacturer of own label premium dry pet foods, GA Pet Food Partners manufactures, packs and supplies pet food to some of the world's leading pet food brands, exporting to over 50 countries worldwide. Last year, the company invested over £80m into its Ingredients Kitchen as part of an ambitious expansion plan to develop a new dark store warehouse that will operate solely with robots and automation. Part of this commitment to automation included the packing process of the 80,000 tonnes of dry extruded pet food GA supplies each year.

Solution

In order to meet the wide case size range of GA, Endoline recommended the installation of two, 221 Case Erectors and two, 225 Case Erectors. Providing GA Pet Food Partners with a potential case forming output of 56 cases per minute.

Due to the weight variations of the filled pet food bags GA produces, between 5kg and 30kg, Endoline modified the case erectors to ensure that they were able to handle the heavy-duty cases used to hold each bag of pet food. To improve efficiency, Endoline engineers made mechanical changes to the empty case hopper on the erector to ensure the efficient and smooth delivery of cases down the hopper into the machine before erecting. To maximise space efficiency, the case erectors were positioned at an angle to the line and CSL customised its conveyors to directly feed the packing line from each erector.

The finished packed cases run on an incline leading up into and through to Endoline's 734 Fully Automatic Random Case Sealer for sealing. Sealing up to 22, random sized cases per minute, again, the system was modified by Endoline to manage the slightly longer case size runs.

Results



Fully integrated packing line, Endoline worked with CSL to create an ergonomically friendly, automated line.



Automates the packing process of the 80,000 tonnes of dry pet food each year.

"Through our automated systems and CSL's experience in conveyor solutions we have created a packing line which is future-proof and able to deal with maximum output and case sizes."

Mark Budd, Sales Manager for Endoline Automation

