

# Airmec Design Limited

Waste Extraction Systems for the Printing, Board Converting & Paper Industries

## Case Study No. 7 - CAVAN BOX BALLYJAMESDUFF

Cavan Box is located in Kilmore, Ballyjamesduff, County Cavan, 50 miles from Dublin and 70 miles from Belfast. The plant is 100,000 sq.ft and manufactures Corrugated and Litho Laminated packaging, mainly for the food industry. There are 50 people employed at the plant and annual sales are approximately 10 million Euros, firmly establishing them as the no.1 Box Producer in the Irish Republic.



When Cavan Box needed to update its production facility to include a new LMC P1600 Flexo machine, ongoing issues with their current waste handling methods and processing equipment naturally came into focus. Their existing ailing waste extraction equipment had served them well for many years but, lack of routine maintenance and original supplier support had taken its toll on both the functionality and reliability of this important element within their production cycle.

With the forthcoming installation of new production machinery, additional capacity had to be catered for in their current waste extraction methods. Cavan needed the correct solution and they needed it quickly to ensure the LMC machine came on line with the minimum disruption to existing production. Tenders were invited and Cavan chose Airmec above all comers to ensure their plant upgrade was installed efficiently and on time.

Airmec's reputation for cost effective project management, system design specification and quality of build is second to none and this ensured the system was delivered and installed efficiently, within the short time constraints and with minimal disruption to ongoing Cavan Box production schedules.



Airmec worked closely with their clients' civil contractors to ensure the pit for the cross link in floor belt conveyor system, was sized correctly to accommodate both the conveyor and the belt pick up without compromising the foundations and functionality of the new machine.

Waste transfer ducting from the Airmec Cutter Conveyor fan was designed to follow the internal roof profile thus maximising the height available within the warehouse area for storage of palletised sheet.



The existing Separation plant above the Baler was replaced with an Airmec's Separator and Rotary Valve system which was sized to accommodate their latest requirements. Existing ductwork was remodelled to allow smooth waste transfer into the Separator.

As a result of the Airmec upgrade, productivity has improved. By allowing production to be continuous and providing a cleaner working environment, throughput has increased. Additionally, Airmec's system avoids previously labour intensive waste removal operations and this has released several staff to more profitable tasks.