



Background

SDI is Latin America's leading textile and retail clothing company. With over 850 stores throughout Latin America the clothing company exports its range of clothing brands globally.

Scenario

In most packing applications products are packed within cases where the flaps are folded to meet in the middle. However SDI required a high speed case sealer with the ability to handle random sized 0204 case types, which have overlapping inner flaps for extra product security. Type 0204 cases are not widely used as they are very difficult to automate. While the double layer offers added protection and overcomes any plastic covering 'seeping' out of the gaps, sealing these cases at high speed can cause challenges due to the fact that two flaps need to be folded on top of each other. Traditionally the folding head of a case sealer incorporates a hook which ensures that all case flaps are in position before sealing. However the 0204 cases are designed so that the inner flaps overlap which presents a much bigger technical challenge.

Solution

Endoline re-engineered the design and speed of the hook to effectively push down one flap before re-positioning itself quickly to allow the second flap to be pushed down on top of the first by a side former. To allow the machine to handle a variety of different sized cases in a random order, Endoline's high speed random sealing systems have integrated bar code readers to detect the case size and automatically adjust itself at high speed. As the 0204 cases did not feature a bar code Endoline overcame this by integrating a custom case size detection system, which incorporated multiple sensors uniquely placed to identify multiple box sizes passing through the sealer.

Results



Creation of a bespoke solution to meet customer's needs



Incorporated of multiple sensors to read cases



Seals cases which offers great protection of goods

"The new 0204 case sealer is testament to the fact that we, as experts in end of line machinery, are able to offer the technical solution to meet our customer's need, without compromising on speed and efficiency." **Andrew Yates, Sales Director, Endoline Machinery**

