

High Speed Print, Apply and Sortation Line

Madrid – Spain



High specification automatic print and apply and sortation line

- ü Automated loading systems
- ü High speed conveying and merging
- ü Automatic barcode scanning
- ü Product measurement systems
- ü Random print and apply
- ü Automatic label only
- ü 40 destination sortation system
- ü 180 products per minute



Case Study

Once again Axiom has supplied an automated labelling and sortation system to Deluxe Media this time at the Spanish operation in Madrid.

The system consists of three automatic induction points where media is loaded at 180 products per minute in to the system. Product lines are initially merged and further down the line each item is omni-directionally scanned. The control systems establish who the product is for and any special labelling requirements, a single dynamically printed label can be applied to any position on the back face of the product and a single pre-printed label can be applied in any position on the front face of the product.

The main elements of the innovative machinery design incorporate a tailored version of Axiom's newly-launched Series 25 sorter together with a revolutionary high speed, variable height label applicator.

The 'intelligent' label applicator fixes labels onto a random mix single and multi pack videos and DVDs at an incredible rate of 120 per minute, with two units each applying one label per second. The equipment is supplied ready to incorporate a third labeller to reach the design speed of 180 per minute

In addition to this high speed capability, the applicator is fitted with a unique height-seeking device that, in a random product throughput, detects the height and positioning requirement for the next item's label in a fraction of a second. The device instantly passes this data to the applicator, which affixes each label precisely where required.

This means that a mix of products of assorted heights and dimensions can be consigned to the conveyor totally randomly – from a 10mm thick DVD to a 130mm thick pack of videos – and exit the system at high speed, emerging correctly labelled, sorted and, importantly, undamaged.

The new Series 25 sorter is a research and development triumph. Not only capable of accommodating different sized products – from credit card size up to cartons and boxes weighing 30kg – it can also be easily configured to suit an almost limitless range of different applications.

Unmatched versatility is achieved by the sorter's innovative, modular design which enables it to be assembled to meet any application or specification requirements.