Automated Labelling Systems

Products : Packs : Pallets : Packaging : Logistics

Codeway

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Industrial label printer dispensers ● ● ● ●

Avery Dennison 64 series dispensing printers are ideal for industrial labelling. They print labels up to A4 almost instantly and position them perfectly on the Avery and Codeway heads, applying them to your products.

You can still benefit from automated printing and dispensing when you apply the labels by hand to boxes and pallets.

The printers' industrial interfaces will keep labelling in step with your processes.

Avery 64's with heavy duty guillotines also enable you to print packing slips and tickets.

LTSI light touch top and side labeller ● ● ●

LTSI light touch apply heads turn Avery Dennison 64 dispensing printers into automatic applicators.

Avery 64 LTSI's are ideal for top labelling of packs and side labelling of cartons on medium volume lines.

The side mounted unit shown here is labelling cardboard trays with production line codes. The printer alerts the control room when labels run low or error conditions occur.

Front and side labellers ●

Many cartons and trays need labels on two adjacent sides so at least one is always visible in stacks.

Codeway designed this front and side labeller for Avery Dennison ALX 925 and ALX 720 print apply machines.

Users can set its microcontroller to print and apply labels to front and side, front, side, or no side.

When products vary and label data changes, the system can scan each item on the line. The system looks up the data, prints the label, and checks the barcodes after printing.

Top and bottom labellers ●

Bagged food products come in all shapes and sizes. Many need an ingredients label as well as a product label.

Codeway uses two Avery ALX engines to print the labels and apply them to top and bottom of the bag.

To cater for frequent changes in height the top labeller moves up and down on a telescopic hoist at the touch of a button.

The ingredients label comes up through a gap in the conveyor under the pack.

Last label print and apply makes the system ideal for small batch production and individual items.

Underside labellers ●

Underside labelling is a great solution when products vary in height.

Labels come up through a gap in the conveyor and adhere to the underside of the package.

Typical applications are boxes, bags, mail order books and awkward shapes.

Last label and batch print apply machines are available.

The photograph shows an Avery ALX 720 batch labeller for bags of food.

Indestructible front face labeller ●

Codeway designed this front face labelling head to be virtually indestructible.

It works with Avery ALX print engines mounted above the line.

When there is a problem the arm swings out of the way to avoid a collision causing damage.

These bags of flour are straight from a shrink wrapper. The customer wanted to avoid any hold ups in the tunnel.

Loop feed printer applicators ● ● ●

Codeway's Loop Feed attachments for Avery 64 printers feed labels into applicators through a buffer loop.

These run up to 50 M/minute and at higher labelling rates than printer applicators can achieve.

Applicators, like the Avery ALS 204 shown here labelling sacks of flour, are often better for "difficult" products.

You can add Codeway Loop Feeds to existing applicators to extend the life of your process plant.

Production process labellers ●

Codeway has developed a variety of heads to apply labels to work with customers products and to fit their processing machinery.

The head shown here is applying a long label to three faces of a cartridge.

The black vacuum pad applies the label to the top while rollers fix it to the sides.

An Avery 64 printer dispenses the labels onto the head. The printer's industrial interface integrates labelling with the cartridge filling cycle.

Key
- ● **Product**
- ● **Carton/Outer**
- ● **Bag/Sack**
- ● **Pallet**

Packs : Pallets

Modular high speed applicators ●

The new generation of Avery Dennison ALS label applicators offer a very high standard of build, performance and reliability.

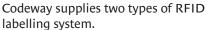There are six models for applying labels 10-229 mm wide at 30-60 M/minute.

Exceptional label dispensing accuracy means every label on every product in high volume multi-shift operations is in exactly the right place.

Avery's modular concept lets you install an applicator on your line and effortlessly exchange it for another family model at any time.

RFID labelling systems ● ● ● ●

Codeway supplies two types of RFID labelling system.

Encode and Apply: Identify products and pallets with UHF/EPC tags or HF labels. The system records the data for tracking and traceability.

Read and Apply: Reads tags used for material control and production then labels the product. It can read single and multiple RFID tags.

Typical applications: cables, chemicals, building materials, containers and totes.

Pharma labellers ●

Batches of pharmaceutical and medical products in ampoules, tubes, vials and small boxes need precise handling during labelling.

Codeway supplies the superlative LSS pharma package labelling machines for such applications.

When your line already has precise product handling, Codeway will fit Avery Dennison labellers with suitable apply heads and control software.

The photograph shows an LSS tube labeller with an Avery Dennison ALX 925.

Standard application kits ● ● ●

Need a quick solution for applying product, promotions and logistics labels? Look no further than an Avery ready to use kit complete with stand with all optional accessories to be up and running rapidly.

Print and apply: Avery ALX with touch on heads for cartons and packs, blow on heads for higher conveyor speeds and sensitive products. 120 labels per minute maximum.

Applicators: Avery ALS high speed applicators for lines running up to 40 M/minute.

Paint can labellers ●

You need dedicated handling to apply labels to cans, pails, drums and blow moulded plastic containers.

Codeway supplies LSS Modular Container Labellers for high volume applications.

These excellent machines use Avery Dennison ALS applicators and ALX print engines for front and back labelling. Codeway semi-automatics label smaller batches on demand.

We can integrate labelling with order processing systems, while NiceLabel Enterprise will give you central control of all label formats and printing.

Codeway pallet labellers ●

Codeway builds pallet labellers to survive the rough and tumble of industries like building products and beverage bottling.

The enclosure in the photograph houses an Avery Dennison ALX 926 print engine, a control system, and a long throw arm to apply the label.

Simple line-side data entry screens with graphical label displays and database lookups ensure accurate labelling.

Codeway integrates pallet labelling with production lines and business systems.

Double stack and swing applicators ●

Blue chip companies like Proctor & Gamble, Unilever and GSK have used LSS pallet labellers round the clock for over 7 years in factories in the UK and Europe. Now available from Codeway, PLU-2CS's have an integrated PC and optional interface to SAP. They are available for double stacked pallets.

PLU-S Swing units also apply two labels to adjacent sides in one movement, but use the processing power of the Avery ALX 926 to achieve budget prices.

Direct print and apply ● ●

Avery Dennison ALX print engines can apply labels directly to evenly sized products on lines running at steady speeds up to 20 M/minute.

This method is especially suitable when you need to apply the last label printed mixed products in similar packs.

The ALX's ribbon saving is a big advantage when applying long pre-printed labels with a small area for variable data.

In the photograph the ALX 924 is labelling continuous plastic sheeting. The label triggers a sheeter at the end of the line.

Packaging : Logistics

Integrated logistics labelling systems ●

Distribution centres need carton weight and volumetrics for load planning and billing.

Some use weight to detect unders, overs and mis-picks.

After checking the data, they print routing labels.

Codeway built this automatic system for international distribution of consumer products to retailers.

The warehouse identifies each carton with a barcode label.

As the carton comes along the conveyor the system weighs it, reads the barcode, measures dimensions, checks the orders database, updates the consignment table, then prints and applies the routing label.

Integrated point of sale labelling systems ●

Some products need labelling just before despatch from retail distribution centres.

Garden plants are a prime example. Retailers often send in prices and text at the last minute.

Codeway Green Machines solve the problem of labelling large numbers of pots and trays in a short time.

Nurserymen load them onto a conveyor where a scanner reads the barcodes on plant care tags.

The system gets data for each item from the orders database, instructs an Avery ALX labeller to print and apply a label, scans its barcode, counts or rejects the item and writes to a transaction record.

Integrated mail order bag labelling systems ●

It pays high volume mail order houses to automate bagging.

Getting the right label on every bag is absolutely vital. The problem is you can't see what is in a bag.

Codeway's solution is to scan the items on the infeed conveyor and then track them precisely through the bagging machine.

The application software looks up the barcode in the order database, applies business rules, selects the carrier's label format and sends a command to the printer.

The ALX 925 engine prints the label and dispenses it onto the Codeway head to hold and apply when the bagging cycle starts.

Labelling System Software

Codeway can satisfy any labelling system requirement with NiceLabel packages and our own application software.

Nicelabel Suite has all the tools. NiceLabel Pro supports GS1 and industrial barcode, 2D and RFID standards. NiceForm sets up simple screens for operators to access databases and enter batch data and quantities. NiceWatch detects print files and triggers from scanners and scales. PrintQueue heads the list of several useful utilities.

NiceLabel Enterprise centralises control of all of your label formats and printing. Its Print Manager alerts you to any problems. NiceWatch Business Connector adds label printing to any database system such as SAP, Oracle or Microsoft. New label designs are quick and easy to deploy at no cost.

Codeway application software integrates scanning and labelling with order processing systems. It selects label formats, processes label data, updates transaction tables and controls the lines.

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