

## ... to resolving needs

By adopting cost effective and easy to integrate automation solutions, producers can dramatically improve their manufacturing processes and avoid shipping incorrect items into the supply chain, and thereby avoid long term and costly damage to their brands.

With our solution you can;

- Ensure product quality is maintained
- Detect poor print quality and ensure correct labelling is compliant to company standards
- Ensure package seal integrity is maximised

Producers can gain many additional benefits once automation is adopted for quality inspection and verification;

- Production knowledge gained can be used as a basis for further and more advanced manufacturing intelligence
- Helps producer meet supplier and retailer audits
- Can be used as a basis for supply chain traceability improvements
- Can help reduce counterfeiting or deliberate addition of "false" products into the manufacturing process
- Reduce scrap/ waste by ensuring product quality standards are adhered to



## Omron at a glance

**200,000** products ranging Input, Logic, Output & Safety

Sensing, Control Systems, Visualisation, Drives, Robots, Safety, Quality Control & Inspection, Control and Switching Components

**6%**

Annual investment in Research & Development

Innovation track record of 80 years

1,200 employees dedicated to R&D  
12,500 + issued and pending patents

**37,500**  
Employees worldwide

**200**  
Locations worldwide

**22**  
Countries in EMEA

Would you like to know more?

OMRON EUROPE

+31 (0) 23 568 13 00

industrial.omron.eu

omron.me/socialmedia\_eu

## Close to your needs

Technical training & seminars, technical support, Automation Technology Centers, online community (MyOmron), online catalogues and technical documentation, customer service & sales support, inter-operability labs (Tsunagi), safety services, repairs.

EU\_VP-verification\_BR

Although we strive for perfection, Omron Europe BV and/or its subsidiary and affiliated companies do not warrant or make any representations regarding the correctness or completeness of the information described in this document. We reserve the right to make any changes at any time without prior notice.

## Avoiding product recalls in the Food & Beverage industry



- Protect brand reputation
- Ensure compliance to standards
- Avoid unnecessary costs

[industrial.omron.eu/avoidrecalls](http://industrial.omron.eu/avoidrecalls)



# From market issues to..

As the demands raised by society grow, it means on the one hand product range diversification and new materials are designed every day, whilst on the other the sector are continuously seeking new ways to combine consumer confidence with practicality and cost.

## Manufacturers have to cope with;

- Fluctuating marketing demands - means shorter production runs
- Production flexibility (packaging size / shape / customization) - packaging, including “flash” packs have to be correct and changed accordingly
- Batch production (product/ quantity related) - quick changeover required
- Complexity - multipacks, country of origin, specific retailer demands all place pressure on producer



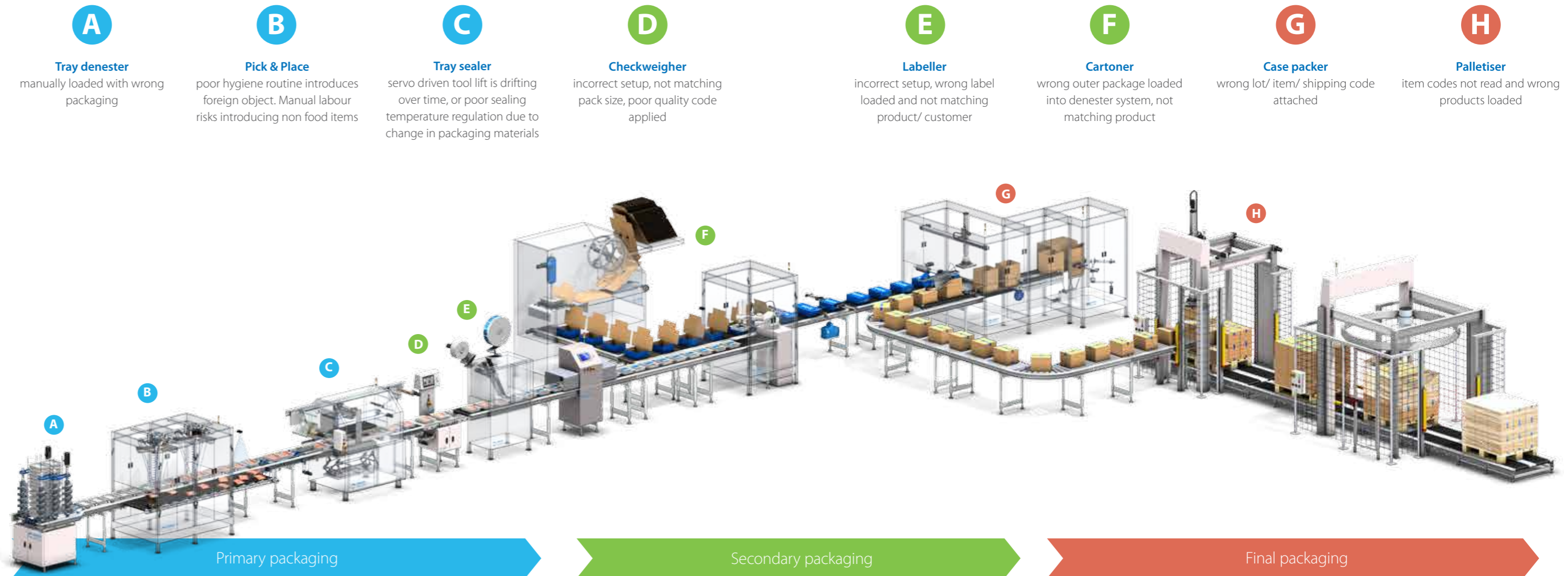
All means errors can occur, if checks are not in place ...

Product recalls are happening every week of the year, and seem to be increasing in their number due to many factors;

- Poor sealing quality
- Right item, right quality
- Labelling issue (Correct product/ label match)
- Marketing “flash” pack labels applied, poor readable code applied
- Wrong label relating to ingredients or allergens, use by/ sell by date code incorrect

## ... critical points

Within a modern and dynamic production environment, there exists numerous areas where genuine mistakes can occur.



- Vision Inspection**
- Product quality verification
  - Packaging quality inspection
  - Label/ presence quality
  - Code verification



- Robotics**
- Hygienic design ensures no foreign material enters product or packaging
  - Reduces manual labour and ensures accuracy
  - Low cost of ownership
  - Integrated into overall automation platform



- Components & Measurement sensors**
- Wide range of simple to complex solutions
  - Displacement, measurement, profile and high accuracy models
  - Smart design – data storage and networking
  - Scalable controller for up to 9 heads



- Database connectivity**
- Record quality inspection and production intelligence
  - Provide Traceability through the production process
  - Ensure regulation compliance
  - Store and analyse data for improvement programs
  - Provide line and machine data for predictive maintenance



- Temperature controllers**
- Ensures correct sealing of packaged goods ie. Seal integrity
  - Reduces waste and changeover time
  - Maintains production line conditions

## ... viable solutions

The potential solutions are as varied as the problems themselves, but with our broad and diverse product portfolio we are in an ideal position to reduce costly mistakes.