



Coding Solutions for  
**Dairy**



Consumir preferentemente antes del / Lot  
Best before / lot no:  
10/02/19



**Discover printer systems you can always rely on - since 1975.**

Modern dairy processors and packers require increased traceability regarding the products that they produce. In addition, modern dairy packaging types have become much more diverse (HDPE, HIPS, PET, etc). These changes pose a challenge to traditional printing technology. However, one constant that remains just as important today as it did many years ago is the need for a reliable, dependable coding and marking solution.

Thankfully Hitachi is eager to answer the call to solve these challenges, based on our history of producing innovative technology. For over 40 years, Hitachi has developed and produced high-performance industrial printers that serve customers across the globe. Hitachi is excited to help many Dairy producers with their coding and marking challenges globally by providing a reliable, dependable solution aimed at achieving the highest quality standards and protecting your brand's reputation. By producing printers that offer high durability in difficult applications, such wash down environments and traversing applications, Hitachi is a coding and marking solution you can rely on.

# Explore what we can offer for you

## Are you looking for...

... simplicity and flexibility?

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Our coding machines are developed to meet the demanding requirements of dairy customers. The availability of modern industrial protocols makes system integration easy and flexible. Hitachi's inkjet printers offer durable print heads measuring 13 ft. (4m) or 19 ft. (6m) in length, depending upon your unique space constraints.

... a coding solution that resists harsh environments?

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As well as meeting production and efficiency targets, our printers can help you meet industry environmental and hygiene requirements. For example, the stainless steel cabinet of the UX Series enables wash-down and dust protection. This makes our advanced coding systems the ideal choice for a variety of coding and marking applications in the dairy industry.

... to reduce your costs?

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Our preventative maintenance program further reduces the unnecessary replacement of complete circuits or cores. At the heart of the UX Series inkjet printer is a diaphragm based circulation system leading to a reduction in make-up and running costs. We offer support in TCO Calculations which include initial price and factors such as reliability, service cost and the cost of consumables over the machine's lifetimes.

... to be sustainable?

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Hitachi is committed to supporting your environmental targets in multiple ways. We developed our fluid cartridges to reduce solvent exposure to operators, as well as emptying completely after use. This unique design allows empty cartridge to be recycled after use. We also offer several MEK-free ink alternatives that retain the print quality that you require.



# Our Coding Solutions

## Continuous Inkjet Printer (CIJ)



Hitachi's continuous inkjet printers are well known for their reliability and environmental friendliness. Our wide range of CIJ printers include High Speed, Pigmented, Micro-nozzle, Twin nozzle and Ultra-High-speed printers. The UX Series features a new cartridge-type system, which makes ink replacement clean and simple without hazardous fluid spills during refill. They are capable of applying best before dates, logos, barcodes, lot numbers and data matrix codes, which makes the new UX-Series the perfect solution for both complex and standard dairy applications. The stainless-steel cabinet meets IP65 and allows a wash-down with pressured water and industrial detergent, to meet any environment and hygiene requirements.



## CO2 Laser Coder



Our CO2 Laser Coder offers high production speed, low cost of ownership, high quality printing and compact measurements. The wide range of wavelengths as well as the flexible power and focal lens configuration ensures performance ideally suited to coding on various packaging substrates used in the dairy industry, including paper, cardboard, glass or plastic

With an increasing demand for traceability and connectivity within the dairy industry, future food labelling legislation is not likely to be less demanding. Our printers are future-proof with open industrial standard protocols and IoT capability. This will enable you to react to changing trends, customer demands or legislation without having to invest in new equipment.



# Dairy Industry Packaging Type

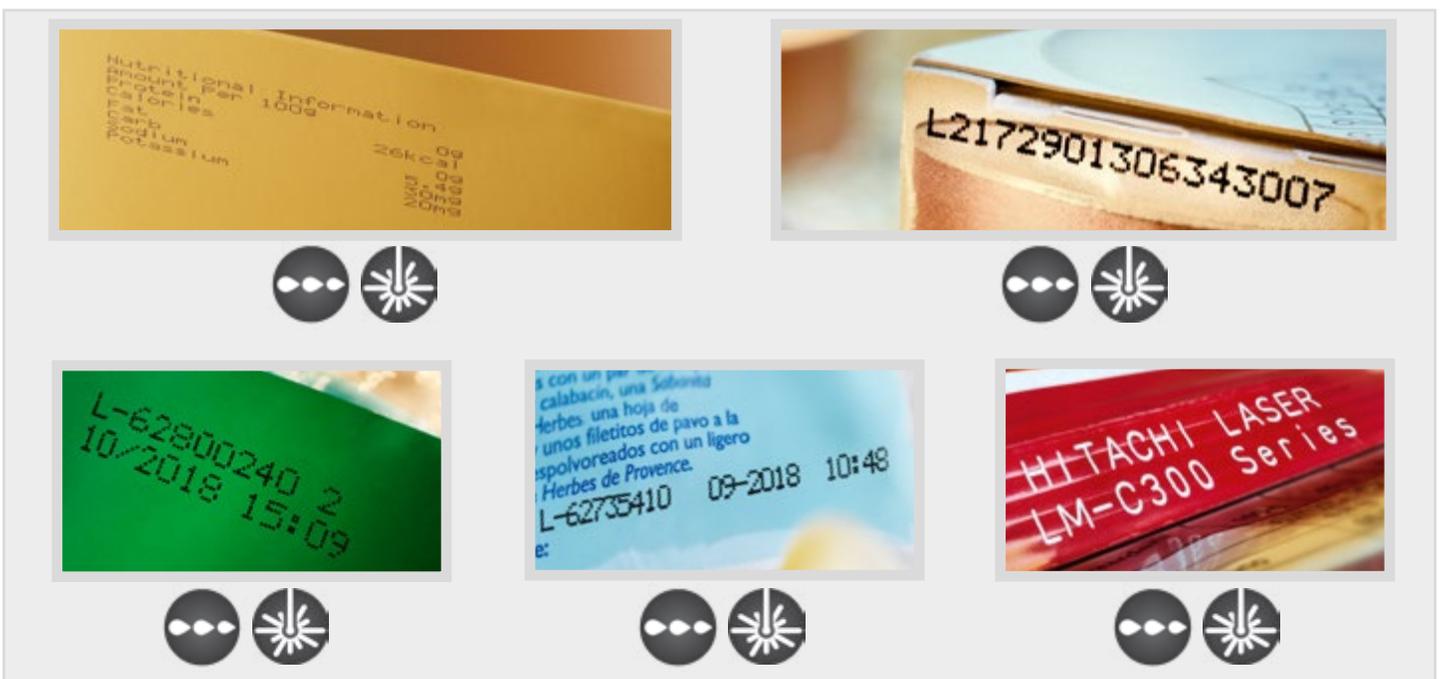
Jugs, Bottles, Aseptic Containers, Rigid Plastic Containers, Film lids



Metal cans, Jars, Glass Bottles



Paperboard cartons, Cartons, Bags, Films, Shrink Wraps



# Future-Proofing The Dairy Industry

With an increasing demand for traceability and connectivity within the dairy industry, future food labelling legislation is not likely to be less demanding. Our printers are future-proof with open industrial standard protocols and IoT capability. This will enable you to react to changing trends, customer demands or legislation without having to invest in new equipment.

But how can industrial printers use IoT to reduce costs and maximize uptime?

Anyone who works in manufacturing knows what 'a spanner in the works' means. It is when a line grinds to a halt due to an unforeseen incident and you start losing money until the systems are back on line. Today's production facilities are under constant pressure to minimise downtime and increase production outputs. This is where the industrial internet of things (IIoT) is making a difference.

Industrial IoT technology is accelerating operations across manufacturing, making processes and devices smarter and improving the life of factory equipment. Analysts predict that IoT applications for manufacturing could create \$3.7 trillion in value by 2025, increase productivity by 25% and reduce downtime by up to 50%.\* One area that is achieving new levels of efficiency, cost savings and sustainability in manufacturing is industrial IoT printers.

\* McKinsey Global Institute. The Internet of Things: Mapping the Value Beyond the Hype. June 2015.



# Worldwide Sales and Service Network

Are you looking for a proven global company that can work with you at a local level?

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Hitachi offers a coordinated answer to your coding and marking challenges. We provide consistent service, expertise and perspective to each of your organizations production facilities across the globe. We focus on providing consistent cross-border project management as well as coordination between suppliers, OEM's and end users are part of our global solution. This results in more visibility, which saves time and money.





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