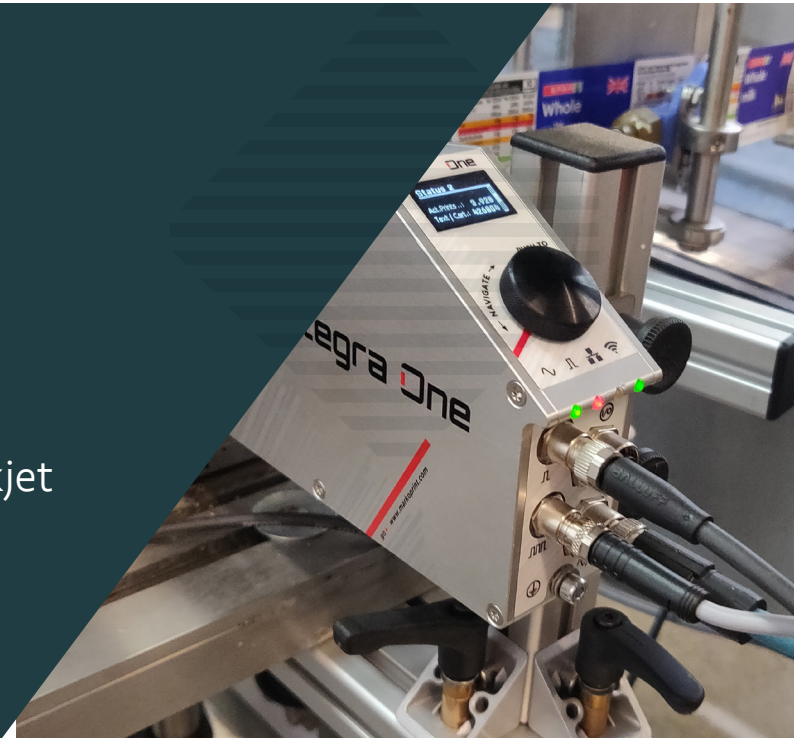


Success story

Payne's Dairies

Cream the Benefits of Thermal Inkjet Technology.



Problem

An old CIJ system was becoming increasingly costly to run and maintain. It was breaking down frequently, costing the company thousands per year.



Solution

6 Integra TIJ printers were installed onto their production line. These maintenance-free printers are small enough to hold by hand yet powerful enough to reliably print at speed.



Results

No more unexpected downtime due to breakdowns. Efficiency and quality of the prints produced also improved dramatically.

Company snapshot

With a heritage of almost 50 years, Yorkshire based Payne's Dairies Ltd, is one of the UK's leading producers of raw and processed milk and cream products. The company operates throughout the UK, supplying wholesalers and manufacturing companies, as well as catering and retail outlets.



Payne's Dairies produce a wide range of dairy products including pasteurised whole, semi-skimmed and skimmed milk, and double, whipping and single cream, all of which come in a variety of sizes and packaging. Their products meet the highest industry standards, boasting numerous accreditations including BRC Standard Higher-Level Certification.

Adapting to market changes through innovation.

Like many producers in the farming industry, Payne's Dairies have faced many challenges in recent years; changes in consumer habits, price wars and Brexit are just a few. But, like many British farmers, Payne's Dairies have worked incredibly hard to adapt to market forces, to ensure that they continue to serve and meet the demands of their customers, whilst maintaining their high standards, and importantly, their bottom line.

With pressures across the industry on prices per litre (PPL), the company needed to look at operational ways to reduce costs, without compromising efficiency.



Eliminating the costly CIJ bottleneck

Payne's Dairies produce around 360,000 2 litre, 1 litre and 1-pint cartons of milk per day, across six lines. One particular and recurring issue however, was the frequent breakdown of their continuous inkjet (CIJ) system used to code each milk carton label. Not only was this a costly interruption to production, it was also costing around £1,000 each breakdown and another £6,000 a year to replace the printer sensors on six lines.

The old CIJ system was also large, expensive to run and increasingly expensive to maintain. Furthermore, it was soon to become obsolete.



Trialling thermal inkjet printing on the production line.

It was perfect timing when Rotech's print specialist dropped by the site with a new thermal inkjet printer (TIJ) in hand. Having outlined to the Factory Manager the significant benefits that this small, low cost printer could offer, he was invited by the Managing Director and Chief Engineer to demonstrate the technology. This led to the agreement to install a new printer on all six milk carton labelling lines.

One of the primary benefits of TIJ is the size of the printer. It's small enough to hold by hand, yet powerful enough to reliably and consistently print at high speed. TIJ is also a cartridge-based technology, meaning no mess and moving parts – it's completely maintenance-free. Each cartridge can yield up to 400,000 high-quality prints before it needs replacing, meaning consumable costs are comparatively low.

The printer comes with iDesign format creation software which allows the company to create and edit dates, times and line numbers, as well as check information on job status, quality and ink levels.



Creaming the benefits of new printing technology

Six Integra TIJ printers were mounted on to their existing labellers and set to create best before dates, times and line numbers.

The new printers have freed up space around the labellers, and allow users to simply replace cartridges as required. As well as making significant savings on maintenance and repairs the new printers produce crisp, clear markings on various size milk cartons, hour after hour, day in, day out.

Payne's Dairies have demonstrated that by putting trust in new technology, it is possible to make vital cost-savings and improve overall production efficiency, and at a time when it has never been more critical.

Our story



Founded in 1997 and privately owned, Hertfordshire-based Rotech has grown to become one of the most respected coding and marking specialists in the UK.

Our innovative range of coding and marking equipment, coupled with our friendly, can-do attitude, allows us to provide our customers with a valuable end-to-end service. From consultancy and advice, right through to product installation and ongoing support.

Rotech's success is due to our extensive industry knowledge and ability to listen and solve problems. No matter how small or significant, we will always deliver the right solution in terms of efficiency, reliability, and cost.

Excellence underpins all that we do at Rotech, so if you're looking to work with knowledgeable professionals, you've arrived at the right place.

Company established -
selling consumables

1997

First friction feeder developed

2004

Feeder developed for
overseas distribution

2007

Introduction of the RF1
feeding system

2011

Feeder developed for the
pharmaceutical industry

2014

Thermal Inkjet printers
added to product range

2016

Online consumables shop
launched - Buy Rotech

2020

Marking 25 years of excellence

2022

Stay in touch

The Rotech team are always on hand to provide professional coding and marking advice. If you would like to learn more about our solutions, then why not get in touch?

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