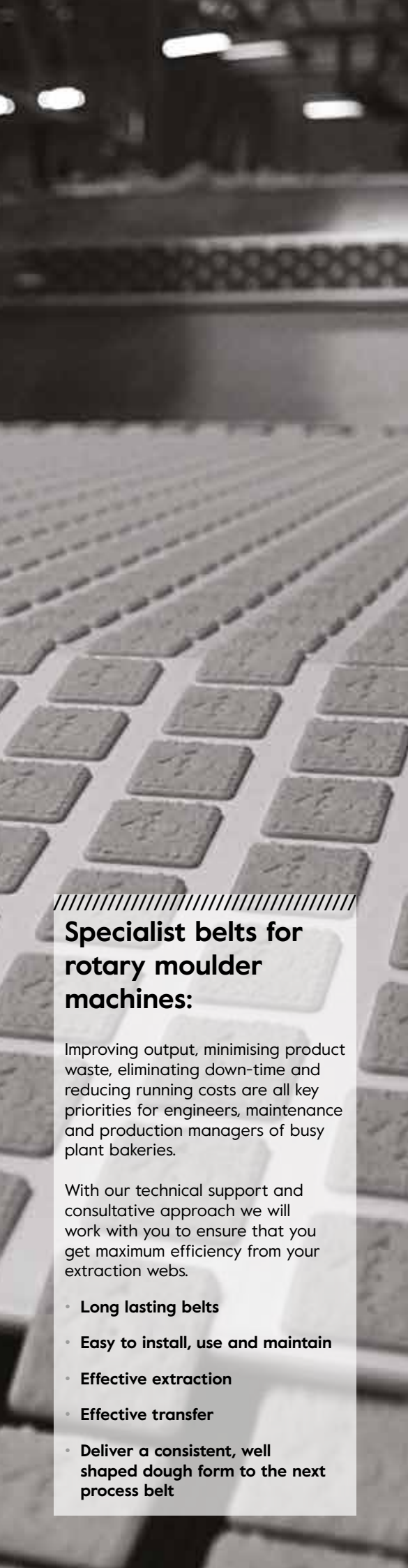
The image shows two large rolls of white technical fabric, possibly for workwear, positioned vertically. In the foreground, two customised belts are visible: a yellow one on the left and a red one on the right. Both belts have a thick, braided grey core. The background is a plain, light grey surface.

## Case Study #3 Customised Belts

The  
Technical  
Textiles  
Specialist



**Arville**



# Case Study #3 Customised Belts

## ? Background

To prevent cross-contamination of the product, a major producer of well-known biscuit brands had decided to make a changeover of the extraction web whenever a different recipe for the dough mixture was used on the production line.

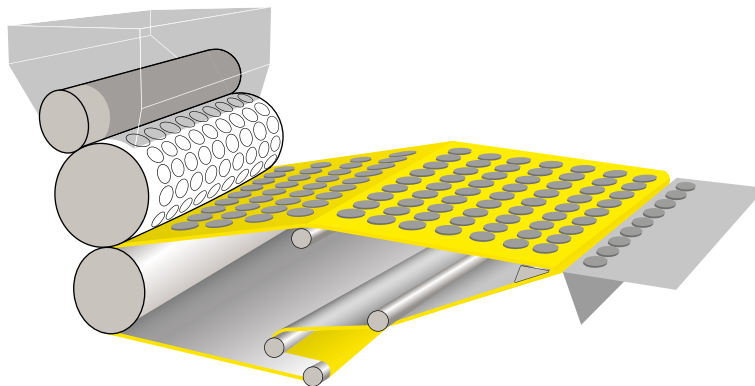
Whilst this addressed the cross-contamination issue, it did however create a problem of a different nature in that they then needed a reliable way to quickly identify which belt should be used for each recipe batch as the belts were identical in appearance.

Whilst the belts have a unique reference marker for traceability, it was difficult

for the line operators to know exactly which belt they should be using at each changeover.

## @ Project brief

The customer required a way of visually marking the belt in an acceptable way so that it could be quickly and easily identified both on-the-shelf in stores and when fitted on the line by the line operators, engineers, line managers or any temporary staff employed within the bakery who may not have had the same level of experience or training as other staff.



## @ Solution

We offered a colour coded-system so that the belts could easily be identified, even at a distance.

Using specialist food-safe dyes we produced belts with a coloured stripe along the edges (red, yellow, blue or brown). Each different colour was dedicated to its own dough recipe so that it would be obvious which belt should be running at any time.

The coloured fabric was migration tested for direct food contact according to EU 1935/2011, with the chemical content of the dye being pre-checked against Reach requirements.



## ✓ Outcome

We used a highly durable polyester yarn to produce the coloured edges. Sometimes the edge of the belt can be a critical wear-point because of mechanical tracking issues, so as well as being a visual marker, it also gave the added benefit of offering extra wear protection to help extend the running life of the belt.

The new system of coloured-coded belts was simple and easy for the line operators to adjust to, contributing to the efficient running of the plant and improving output with very little on-cost.

To find out more about how we can help with your requirements please contact us T: +44 (0) 1937 582735 or email [sales@rotarymoulderbelts.com](mailto:sales@rotarymoulderbelts.com)

### Specialist belts for rotary moulder machines:

Improving output, minimising product waste, eliminating down-time and reducing running costs are all key priorities for engineers, maintenance and production managers of busy plant bakeries.

With our technical support and consultative approach we will work with you to ensure that you get maximum efficiency from your extraction webs.

- Long lasting belts
- Easy to install, use and maintain
- Effective extraction
- Effective transfer
- Deliver a consistent, well shaped dough form to the next process belt

