

Industrial and Specialist Bakery Engineering Services

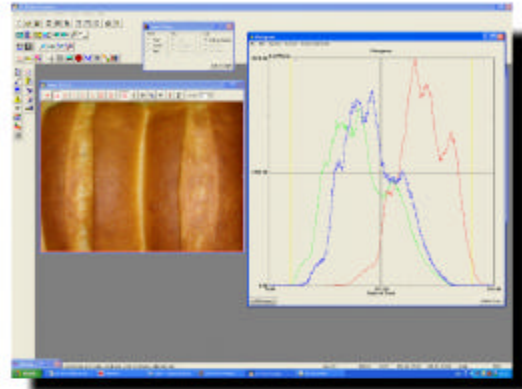
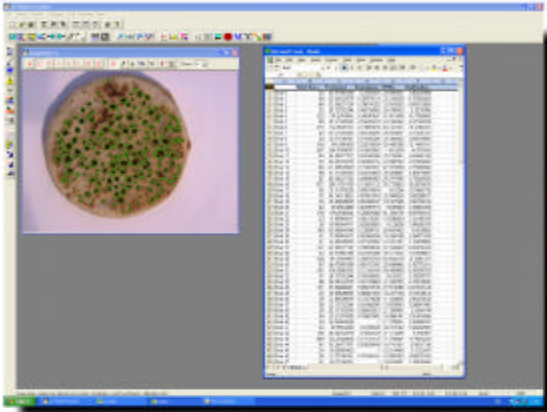
Quality Control & Product Consistency

Vision Systems (SHAPE / COLOUR / TEXTURE / SIZE / COVERAGE)

Recognition and verification of shape is an important factor in any industry, in particular when a customer's decision depends entirely on the appearance of a product. Our intelligent vision systems are able to detect multiple objects in real time and in a variety of conditions.

We can supply a wide range of Vision Systems depending on budget and application.

From cost effective, stand alone compact systems to Powerful custom built, PC Based applications using only the latest technology including mega pixel Cameras that operate in **Real Time**.



Systems using High Speed Processing, Blob Analysis, Pixel Mapping and Sub-pixel Analysis have been incorporated into many applications.

In these examples, our systems are checking for shape and coverage of Sesame Seeds on Burger Buns.

• Empty • Excess • Double • Mis-shaped • Spoiled •

• Presence • Shape • Size • Texture • Coverage • Colour • Orientation • OCR •

Laser Measurement of Height and Volume

It is now possible to measure 100% production for accurate height to within 0.1mm and volume to within just a few mm³ (depending on bread).



Product Counting

We have developed a number of high speed counting systems for high volume lines. Systems can also measure product depth and thickness.

Amount of 'double' and 'empty' pockets can be used to calculate efficiency and wastage.



UNDER DEVELOPMENT

Multi Axis, High Speed Table Cutting Systems for Cakes, Flapjacks, Biscuits, Pies and Pizzas.

FOR A DEMONSTRATION OF ANY OF THESE SERVICES, PLEASE FEEL FREE TO CONTACT US.



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