MACHINE VISION TECHNOLOGY FOR THE FOOD AND BEVERAGE INDUSTRY

REDUCE COSTS through automated harvesting

REDUCE LABOUR COSTS by vision assisted packaging of foods

REDUCE GIVE AWAY by controlled slicing and portioning

IMPROVE QUALITY of bulk foods by automated sorting

MAXIMIZE VALUE by automating the grading of raw foods

ENSURE BRAND QUALITY with label verification
MACHINE VISION TECHNOLOGY
A KEY TO MAXIMISING PROFIT AND QUALITY

Significant financial benefits from farm to checkout.

The need to manufacture products reliably and without faults is more important than ever in the food, beverage and packaging industry. The pressure to achieve this has led to extremely high levels of manufacturing automation in efficient production plants. With over 30 years of experience across Europe STEMMER IMAGING have worked on hundreds of food and beverage applications. Our machine vision specialists can add valuable imaging expertise working with your engineering teams from feasibility to equipment selection and engineering support to apply vision enhance your systems or processes helping keep your food processing solutions best in class delivering your customers competitive advantage by increased profitability.

HARVESTING
Automated harvesting reduces cost with less fatigue and can extend to produce grading and processing. Examples include carrot topping, vegetable and salad root removal and apple picking.

QUALITY CONTROL
Ensuring food looks good is critical for premium brand foods. Vision based quality control can ensure distribution of pizza or bun toppings, colour of baked products and analysing the cell structure for breads.

SORTING & GRADING
Maximise quality of bulk produce such as pulses and rice by removing contaminants while grading potatoes, fruit and meats ensures premium pricing for the best.

PICKING & PACKING
Vision working in conjunction with robotics allows consistent packaging even where multiple products are mixed in any orientation and can ensure the best cut is always on top.

PORTIONING
Reduce give away by using 3D vision technology to provide real time machine feedback when slicing or portioning products such as bacon, ham, cheese and sausages.

LABEL VERIFICATION
With supermarkets issuing fines for incorrectly labelled or printed products end of line packaging and label verification can have fast return on investment.
YOUR PERFECT PARTNER

Making machine vision easy and accessible.

BOTTLING
Ensuring fill levels are right, cap and seals are sound and PTFE bottles are not contaminated ensure customer confidence while detection of foreign bodies and stressed glass ensure safety.

FOOD SAFETY
Hyperspectral vision technology can detect life threatening food contamination in products such as poultry and fish while XRay can detect foreign objects in both fresh and processed foods.

IN STORE ANALYTICS
Automatic identification of known criminals and suspicious behaviour through to visitor analysis including customer flow and promotion reactions as well as demographic focused in store advertising.

AT THE CHECKOUT
With a move towards self service vision technology can assist in reducing fraud and easing the shoppers experience. Product recognition on weigh scales ensure the correct product is priced.

- STEMMER IMAGING is one of Europe’s leading machine vision technology providers for science and industry.
- With an optimum combination of innovative products, expert advice and comprehensive service, STEMMER IMAGING helps clients solve their machine vision tasks securely with speed and ease.
- Experienced specialists can be contacted easily and are available to provide advice locally in 19 European countries.

- Clients of STEMMER IMAGING benefit from the combination of an exceptionally wide variety of products from the world’s leading manufacturers (e.g. cameras, lenses, illumination products, machine vision systems, software).
- Expert know-how gathered over many years help customers define the optimum, most cost-effective combination of components.
- The company attaches particular importance to the provision of solution-oriented services, including feasibility studies, development services, training and customer-focused support.
WHAT CAN MACHINE VISION DO FOR YOU?
CHECK OUR REFERENCES.

See where vision can help, has helped and how it helps.