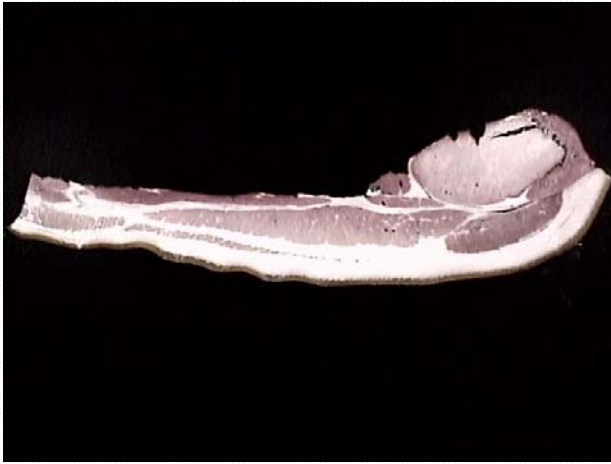


Application Note

Project Images



Client

OSI International Foods,
Blacktown, NSW, Australia

Application

Quality Assurance - Product inspection, data warehousing and reporting system for bacon rashers

Project Description

OSI International Foods are one of the world's premier contract manufacturers of processed meat products. The OSI International Foods plant in Blacktown in Sydney manufactures a variety of ham products including packaged bacon rashers for sale through supermarkets.

The project requirement expressed to Itech Corporation by OSI International Foods was to provide a system that could enable them to monitor the quality of their bacon rashers and provide a historical log of the samples for future reporting and analysis.

As part of the OSI QA procedures for the bacon production at the Blacktown plant, the fat-to-meat ratio was calculated based on manual measurement and calculation and manual record keeping of test results.

Itech Corporation was engaged to develop a solution that automated the data capture and measurement as well as provide an integrated database and reporting system for the test results. The solution proposed by Itech Corporation was a based on a colour vision system from Cognex for automatic calculation of the fat to meat ratio, classification of test samples, integrated with a database and a GUI (Graphical User Interface) specifically developed by Itech for ease of use by the OSI QA staff as well as a suite of database reports including product quality classification, time , date, batch, supplier.

The solution developed by Itech Corporation achieved the clients requirements as well as providing the additional benefit of enabling easy benchmarking of the OSI product by supplier, by competitor by batch and providing detailed information for the OSI clients on batch quality as required.

This project illustrates the comprehensive skill set available within the Itech Corporation organization to develop concepts and design, develop and integrate components into systems solutions for industrial clients.