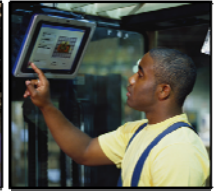
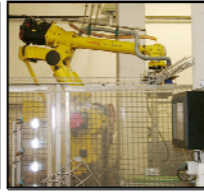


SPECIALISTS IN
DATA CAPTURE
BEC SYSTEMS INTEGRATION



PRODUCT DATASHEET

SIGMA CONTROL ALL ASPECTS OF INVENTORY

SIGMA - PRODUCT OVERVIEW

Many organisations that implement ERP systems still maintain manual data entry processes. This means that no matter how good or expensive the ERP system, it is compromised by the quality of the input data.

SIGMA is an automated data identification and capture solution developed by BEC (Systems Integration) Ltd. Utilising state of the art data capture devices, Sigma enables companies to control all aspects of their inventory and shop floor data collection from receipt to final delivery.

The mobile devices used, automatically transfer the captured data to the ERP system and ensure the accuracy and timeliness of the management information it produces.

SIGMA provides the means to support the organisation's business procedures, providing maximum visibility of all transaction data with the minimum of effort and delay. It ensures that the optimum combinations of technology and resource can be utilised in the most efficient manner before accurately reflecting the captured data in all of the company's associated systems.



Photograph courtesy of Intermec Technologies

SOLUTION FEATURES

The SIGMA Solution is multilingual and can easily be configured to use the most appropriate language for dialogue interchange between the users and the system. It also offers options to manage, view and analyse data flows and the associated activities within the organisation.

FUNCTIONALITY LEVELS

There are 4 modules that link the client with the manufacturing system and the ERP application:

Procedure - The procedure module works at the transaction level providing all the application functionality to support enterprise wide business procedures. It enforces business rules and algorithms for each transaction, maintaining the integrity of data structures within the database(s). The module can be located anywhere within the organisation and moved as requirements change.

Link - The flexibility to interact with different ERP products is achieved via the Link module. It also provides the local functionality within the SIGMA product, through maintenance and use of its own database.

Control - Provides data management within the SIGMA system. It delivers definition, security and support for users and devices. Additionally, it provides support for user dialogue configuration and deals with the working data for individual events. It also makes available extended functionality where the main ERP application is not available.

View - This provides options to view and analyse data flows with the SIGMA system. It maintains logs of all transactions and errors as well as providing enquiry and reporting functions for management control. The module additionally provides views of current and queued activities for specific devices and resources.

SUPPORT FOR ADVANCED EXTERNAL SYSTEMS

Voice - The voice interface allows information such as Pick list and Inspection Check List to be sent to a range of voice systems. In a similar way information received back from voice systems can be converted to standard transaction data and interfaced to the ERP system.

Vision - This module enables machine vision systems to be fully integrated into the ERP system, in order to ensure that the right products are being made and correctly labelled.

PLC - The PLC integration module enables machine data such as quantities produced, machine uptime / downtime etc to be captured at source, converted to transaction data and directly interfaced to the ERP system.

BENEFITS OF IMPLEMENTING SIGMA

SIGMA is a mature and stable solution that has been developed over the years to cover more than just automatic barcode scanning. It enables 2-way communication in real-time, between your ERP system and the processes that make up your business.

The reliance of decision makers on the output from an ERP system is now so crucial and mission-critical, that in the absence of reliable data the ERP solution is at best, deficient and at worst an expensive and business-threatening failure.

Complete, accurate and timely control of information from across the enterprise lies at the heart of a successful ERP system. By providing an automated link from your inventory processes to the rest of the organisation, SIGMA ensures that data integrity is increased. This provides significant benefits in terms of improved decision making, increased profitability and competitive advantage.

KEY FEATURES

- Works with GUIs, Browsers, Touch Screens and 'Green Screen'
- Complex multiple transactions completed in a single scan
- Facilities for image capture, signature & product image storage
- Multi-lingual (based on user profile at logon)
- Inventory transaction performance analysis
- Event monitoring, reporting & event triggers
- Bar codes & RFID
- Voice-directed transactions

