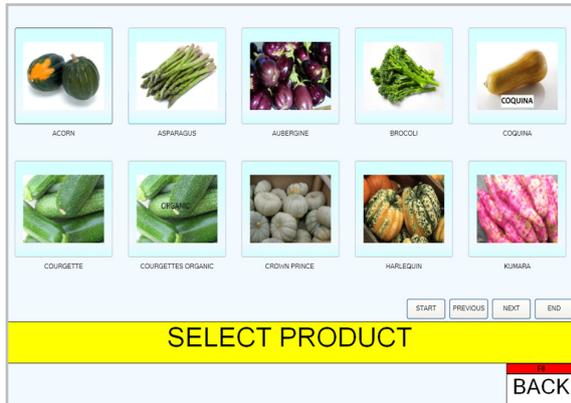




# Waste



## Factfile: Trac-IT Waste Management Module

Waste is unpredictable and eats into profits. With spiralling raw material costs and increased pressures on margins and profitability, effective waste management within the dynamics of the food industry is essential. Waste typically arises either from mismanaged inventory control or from the complexities of the process itself, both of which present quite different challenges.

Unlike structured manufacturing procedures where ingredients are introduced in a controlled manner, waste can occur at any part and any time of the process chain. It is therefore essential to have a failsafe waste management system in place that is easy to use and which provides management with accurate real time data.

The Marco Waste Management Module has been specifically developed to provide comprehensive data that allows you to measure and control your elusive waste. A key advantage is that it can be implemented as a standalone module within your existing factory structure and will provide a rapid return on investment.

### How does it work...?

The Marco system uses operator friendly graphics that allow personnel to record waste simply and effectively. Graphics of specific factory areas are displayed with coloured zones to identify the source of the waste. Simple touch screen prompts guide the user through key waste related criteria including:

- Operator ID
- Where was the waste created?
- What was the waste type? e.g. packaging, finished product, ingredients, film etc.
- What was the reason for the creation of the waste
- Time/date of waste recording
- Quantity in kg

Electronic reports are generated over a user defined date and time period to show:

- Total waste for all types across all or specific lines
- Total waste identified against specific reason across individual lines/all lines/by product
- Waste recorded by individual operator ID's

A real time graph is displayed showing the waste recorded within programmable time period intervals. The waste recorded during these preset periods is graphed, giving a rolling real time display. If waste levels deviate outside standard pre-set limits, the supervisor is immediately alerted via email so that rapid remedial action can be taken.



## Waste

### Case Study:

**Company:** Unilever Ice Cream

**Location:** Gloucester, UK

**Project Objectives:** To minimise waste losses through effective waste management



A prime example of the effectiveness of Marco's Waste Management Module is at Unilever Ice Cream in Gloucester.

Commercial ice cream manufacture is a typical high speed, highly automated manufacturing process, where the combination of complex product processes and high line speeds produces a small, but steady flow of waste material. Prior to the installation of Marco's Waste Management Module, waste data had been recorded via an operator-reliant laborious paperwork system. Waste trends could only be assessed after lengthy data analysis and any system corrections or adjustments were reactive rather than proactive.

All non-reworkable process and packaging waste is now collected from the lines in a variety of containers or pallets and weighed at a central terminal. Information on 'where' and 'when' the waste has originated, together with 'who' has collected it, is automatically recorded within the Marco system to provide clear and precise data on waste generation and trends. (Process waste data is segregated into finished and non-finished product waste for additional reporting and analysis.)

Unilever Gloucester's Neil Drew is pleased with the implementation:

"This is another important phase in our ongoing working partnership with Marco. We now have valuable, accountable and reliable data on waste generation in real time. This information will allow us to examine trends and the pre-programmed 15 minute updates will give management the tools to enable rapid investigation should waste levels increase above pre-set levels."



Contact us for details on our other Profitability Modules:

- Recipe Formulation Module**
- Yield Control Module**
- 'e' Weighing Control Module**
- Line Control Module**



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