

### Case Study:

Company: Unilever UK 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 UK 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**