



Leading Food Manufacturer Saves Thousands With Autoflame Retrofits

Kikkoman Foods, a major food manufacturer with over 10 sites worldwide believes that its good flavour is the result of product concept, state of the art technology and high quality ingredients. European Production operations also facilitate fast tracking and the manufacture of products in accordance with European laws and to the highest quality standards.

As a result of poor fuel efficiency and plant reliability, together with the need to meet and exceed demanding emissions requirements; Kikkoman foods contacted Autoflame's local Technology Centre to offer a solution and to resolve its boiler /burner operational issues.

The Local Tech Centre carried out the work with direct support from Autoflame with a no obligation Energy Efficiency & Emissions Calculation for their boiler plant. This detailed several areas where fuel savings and increased reliability could be achieved.

Kikkoman Foods was confident in Autoflame Engineering's position as the world leader in Combustion Management and control systems moved forward with the upgrading and retrofitting of its boiler plant. Following the installation of the new Autoflame Mk6 MM Evolution System. In addition due to the strict burner control and management the NOx reduced by 50%.

In real terms fuel savings obtained by Kikkoman Foods Europe b.v. resulted in a reduction in production costs by € 3.06 (£2.11) per Metre cube of Soya Sauce with a production capacity of 7,676.00 Metre cube, resulting in savings of over € 22,488.00 in less than 12 months, far exceeding the clients ROI expectations.

Existing Equipment:

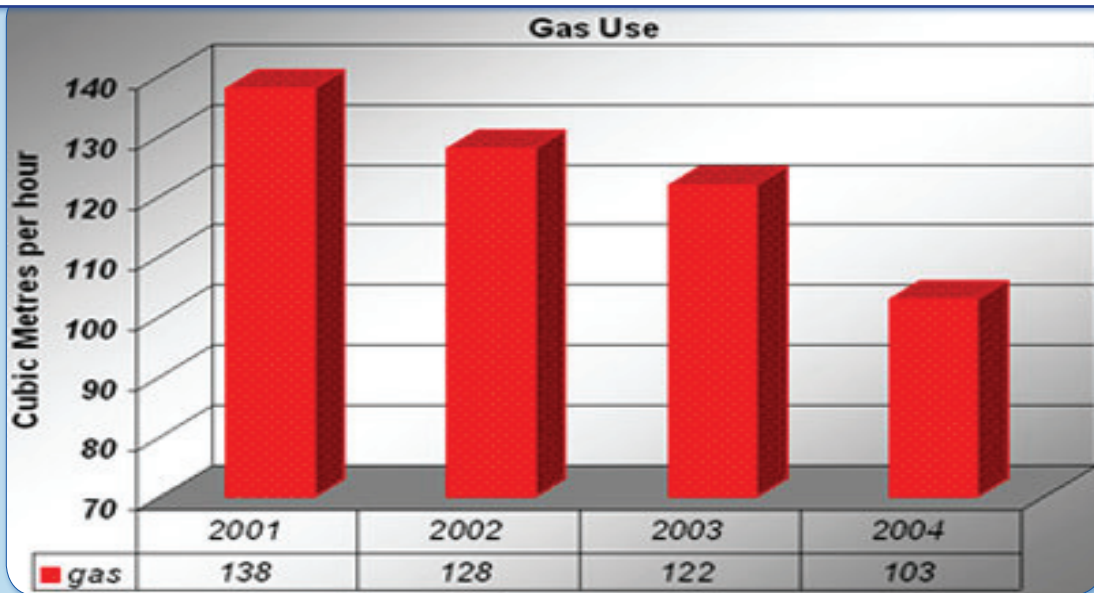
Dated, inefficient combustion management system

Solution:

Autoflame Mk6 MM Control System

Benefits:

- NOx reduction of 50%
- Fuel savings of 21%
- Monitored plant performance and optimised maintenance
- High level of precision and accuracy throughout the system
- Increased efficiency



Above: Fuel Savings Achieved by Kikkoman

As a result of these savings Kikkoman Foods approved the retrofit of Autoflame systems to their No2 boiler later on, where similar results are on target to being achieved.



Above: New Burner Management Controls



Autoflame operates worldwide with 60+ technology centres performing installation and support. Founded in 1972, Autoflame is a British manufacturer based near London. It ensures industry-leading quality control and innovation by performing in-house R&D, engineering, software development, manufacturing production, and technical support.

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Contact us to receive a complimentary fuel savings and emission reduction report.