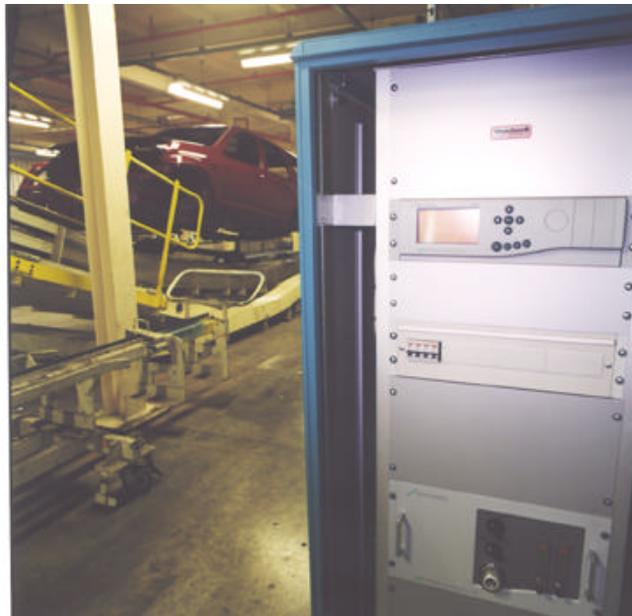


Servomex to monitor paint shop emissions in Honda car plant.

A total of nine Servomex 4900 continuous emissions gas analysers now monitor the extracted air from the ovens and paint shops at the Honda car manufacturing plant in Swindon, Wiltshire. Installed over a period of some eight years, the most recent of the 4900 analysers was purchased in Spring 2002. They monitor carbon monoxide and oxides of nitrogen in the emissions, thereby enabling the company to record data to meet environmental legislation and to ensure compliance with Honda's own much more stringent environmental standards.



"Honda is a very environmentally conscious company" said a Honda spokes person. "Our policy is to maintain emissions standards at least 30% cleaner than the legal requirement".

A large recirculatory thermal oxidiser outside the paint shop complex incinerates all the volatile organic compounds (VOCs) in the air extracted from the paint shops and the curing ovens. The thermal oxidiser has one of the 4900 environmental analysers monitoring its output to verify that combustion is complete and the emissions are as clean as Honda standards require. The other analysers monitor the output of curing ovens and other equipment to ensure efficient combustion, minimum fuel usage and the least possible VOC output to the thermal oxidiser.

Original equipment

Project Engineer Dipak Surti explained that most of the analysers were bought by Honda six to eight years ago when the paint shop complex was being constructed, and were installed as part of that contract. Others have been purchased from Servomex since as the complex has grown to meet the increasing demand for Honda cars.

“We knew the emissions standards we needed to achieve, and Servomex was able to show Honda that the 4900 analyser could provide the accuracy and reliability to make those standards possible” said Brian Ryder. “The 4900 gives us the ability to measure CO and NO_x continuously and to record all the data we need”.

The 4900 continuous emissions analyser is capable of continuously monitoring carbon monoxide, total NO_x, carbon dioxide and oxygen in a flue gas stream with just one 19” 6U rack-mounted instrument. Other key measurements available from the 4900 are individual oxides of nitrogen, SO₂ and methane with auto calibration as standard, which can also be configured for each measurement independently.

High maintenance standards

Honda has a high-level Servomex maintenance contract that provides regular calibration and maintenance on all their emissions analysers.

“The Servomex engineers are always prompt and efficient and react quickly to our needs” said the Honda spokes person. If ever we had a problem with the analysers, we would be confident of a quick solution”.