

FILTERMISTXCEL2

oil mist filter

40 installations completed
in 20 years – and every
one a success



PROJECT SUMMARY

Application

Nine Mori Seiki machining centres used to manufacture components for fuel systems in the A380 Airbus. Each required a system to prevent oil mist entering the workshop atmosphere

Solution

Frederick Pollards, the machine tool supplier, incorporated FiltermistXcel2 units in each machine.



FILTERMIST CASE STUDY

FR-HITEMP

Aerospace

United Kingdom

FR-HiTEMP specialises in the design and manufacture of high quality components and systems for applications in civil and defence markets.

They are suppliers to most of the World's aircraft manufacturers and support equipment in the field with airlines and air forces worldwide. They are the World leaders in aircraft fuels systems, providing a total systems design leadership capability, together with an unsurpassed range of fuel equipment.

Recent contracts to supply fuel systems for the new A380 Airbus have meant significant investment in new machinery, resulting in the installation of nine new Mori Seiki machining centres at their Titchfield site. Each of the machines, which are supplied by Fredrick Pollards, incorporates the latest oil mist removal unit from Filtermist.

The FiltermistXcel2 range of air filtration units can be fitted at source or retrofitted to virtually any machine. The system uses advanced 'centrifugal impaction' techniques to remove the oil mist and smoke that is created when coolant meets hot metal during the machining process. Cleverly designed vanes rotate within the unit and impact at high-speed with the contaminated air, as it is drawn through the system. The oil is collected and returned to the machine for reuse, while clean air is emitted to the atmosphere.

The relationship between FR-HiTEMP and Filtermist spans more than twenty years and covers in excess of forty installations! In addition to machinery purchased with pre-installed oil filtration units, they have retrofitted Filtermist units to many of their own machines as well.

"We have covered a lot of ground with Filtermist and are pleased to continue using them and receiving first-class service. The Filtermist products 'do the job' and help us meet health and safety standards by removing oil mist from the air. When you have been trading together as long as we have, and you don't have any negative comments about them – they must be doing something right" comments Steven Harnett – Plant Engineering Manager.

Filtermist offer the widest range of oil mist collectors of any manufacturer in the world. The FiltermistXcel range provides extraction airflows ranging from 180 m³/hour right up to 2750 m³/hour.