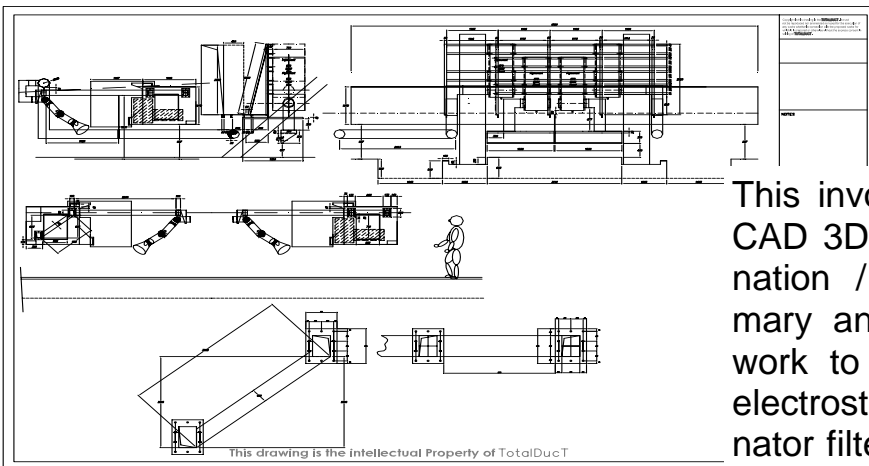


Oil Mist Extraction

CML manufacture major aircraft parts for the aircraft industry. We were approached to design, manufacture and install an oil mist extraction system, one that could mount (piggy back) on the 5 axis Cincinnati Milacron machine (100m long bed) and travel with the machine to eliminate the oil mist at the cutting head itself.



Ventilation



This involved detailed CAM CAD 3D design and coordination / fabrication of primary and secondary steelwork to accommodate four electrostatic oil mist eliminator filters. The clean fresh air is re-circulated back to the warehouse. The completed installation proved successful and created a safe working environment for the staff.



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Design and Build Air Movement and Fabrication Specialists.

Client:-
CML
Location:-
Liverpool

Forging Relationships in Shaping Metal

Project profile

Oil Mist Extraction



Apex manufacture parts for the Automotive Industry. During the operation of the CNC machinery cooling oil produces unwanted oil mist within the manufacturing area. With consultation with the customer it was proposed that containment and point of extraction was the best solution, with high velocity extraction to an electrostatic oil mist filtration unit.

Exhaust air passes through electrostatic filters, which remove pollutants. A full fresh air / re-circulation system serves the rest of the factory .

The extraction canopies with strip curtain allow the containment of the oil mist. Heavier particles are contained and are recycled by the automated systems. The lighter particles are extracted from the canopy and recycled after passing through the separator filter.



Containment and extract via a 4m x 2m galvanized steel canopies, with clear strip curtaining.



CNC controlled milling machines required oil mist extraction systems,



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Client:-
Apex Engineering
Project:-
Oil Mist Extraction