

Machine enclosure, guard and oil mist extraction



This machine manufactures bearings and during its process produces fine oil mist which puts the health of the operator machine at risk.

In conjunction with **Encon-Air Systems Ltd** we worked closely with the customer to come up with a solution to eliminate the risk to the operatives health.

The solution was to completely enclose the machine with a purpose built enclosure, and then to exhaust the contained oil mist to an oil mist filtration unit.

We produced detailed CAD drawings and had close meetings with Encon Air Systems Ltd and the customer to establish the specification and manufacturing parameters. Adequate access doors and lift off panels needed to be incorporated into the design to facilitate maintenance and effective operation of the machine.

Special features were incorporated into the design as follows;

- Electrical door interlock.
- High impact Lexan glazing
- Single key door locks
- Recess flush access panels
- Integral skirt to recycle oil
- Forced air cooling to electric drive motor.
- Durable and textured powder coated paint.
- Double sliding front doors.

Encon Air Systems manufacture a complete range of fan powered extract and inlet ventilation units, as well as natural ventilation systems, designed to meet specific air movement requirements. These can be purchased through us at **TOTALDUCT**

<http://www.encon-air.co.uk>

www.totalduct.com



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