

Case Study

Due to the changes in Welding Regulations more Companies have looked at upgrading their existing LEV systems. In particular one Company approached us as they wanted to replace a number of one arm welding systems that were nearing the end of their working life due to wear and tear.

After our initial appraisal we proposed a TES16 Reverse Jet Pulse Cartridge Filter for 12 workstations to facilitate both Welding Fume and Grinding Dust capture which had previously not been covered by their LEV.

Incorporated into the design is an inline spark trap to prevent hot grinding sparks entering the 16 fire retardant filters. The filters are cleaned via reverse jet pulse compressed air to keep them in optimal condition and extended their working life.



The twelve workstations each have a two metre long extraction arm and hood that are both rotatable through 360° to ensure workers are covered at all times during all welding scenarios.

The unit and fan set were located externally to ensure easy maintenance through the collection bin