

## Case Study

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Our customer on this project was a major U.K university which was experiencing problems with the grinding and finishing of components that were being worked on by students.

Components were able to be manufactured from a number of materials and so there was a combination of materials and sparking materials which had to be removed safely without being mixed.

As a result our company installed a number of machines to keep the processes separate and enable at source extraction to protect the students health.

The filters are made of special polyester to ensure that they give a 99.99% efficiency and long life whilst being able to handle incandescent particles which would normally damage filters. Furthermore any sparks present in their air are extinguished before they reach the filters to eliminate damage and fire risks.



As there was no external possibility of ventilation the filtered air from the machine was able to be re-circulated into the working environment and additional energy savings were made.

The client was overwhelmed with the extraction system as it was much quieter than any previous system and additional sound insulation was added to further reduce noise levels.