

Keep dust under control - safety and productivity

The Problem/Challenge

Dust is generated by many of the processes carried out in the construction industry such as cutting, grinding, chasing or breaking. Airborne dust results in serious health and safety and environmental risks, and can also reduce the lifetime of power tools and consumables which effects productivity and creates higher costs.

The Risks

Airborne dust has considerable effect on a person's health and may lead to serious medical disorders. Dust also results in Environmental risks to people, wild plants, agriculture and crops that have frequent exposure to the source of dust.

The Solution

Tools with Dust Removal Systems (DRS) allow the removal of dust at its source and to be collected by the vacuum removal system. These dusts must be disposed of at special plants which recycle them into other products, not just discharged into waste recycling or landfill sites.

The Benefits

Reduce health and safety and environmental risks, whilst improving productivity by protecting the motors and tools for optimal energy efficiency and a useful life.

Key Points

The components of dust removal systems (DRS), including power tools, drill bits, discs, blades or other accessories, should be a fully integrated systems to maximise the amount of dust removed at its source and collected by the vacuum removal system.

Type of dust

- **Inhalable dust:** Finds its way into the mouth and nose
- **Thoracic dust:** Reaches the upper respiratory area
- **Respirable dust:** Also reaches the finest parts of the lungs (alveola)

