

Dust Extractor

Modern industry creates waste in huge quantities. Lots of it is obvious: chemical by-products, slurry, offcuts, and exhaust. Industrial waste of this kind is dangerous but, because it's easily visible, it's easily controlled. There's another kind of industrial effluent, though, that can't be seen. It's more dangerous, it's more damaging and it's harder to control. Its presence can ruin machinery and seriously affect the health of workers. So how is it dealt with? Enter the humble dust extractor.

All types of machining produce dust. Tiny particles are shaved from the material being machined. They float in the air, settling on delicate bits of machinery and coating the inside of worker's lungs. A small buildup of dust on a vital piece of machine can cripple it to the point where it needs expensive repair or even replacement. Dust can even destroy factory ventilation systems designed to keep the air clear.

A dust extractor reduces the risk of dust damage by removing dangerous particles at "ground zero". Where a machining process or factory routine creates a definite quantity of dust, a dust extractor can be used directly, sucking the particles straight into a filtering system. The filtering system packages the dust for safe disposal in the same way that more visible forms of industrial pollutant are dealt with: correctly contained and according to UK law.

Let's take an example. In a food production line, flour is dumped in large quantities into a vat that will produce bread dough. Every load of flour deposited in the vat expels a significant cloud of particles. Uncontrolled, the particles will disperse through the factory air and settle on machinery and personnel. It won't be controlled by a ventilation system: at best, quantities of flour dust will be sucked into the ventilation system, which will either break it outright or cause it to work so hard that factory power consumption climbs alarmingly.

Site a dust extractor directly above the flour vat and a large percentage of the problem is simply hoovered straight out of the air. The dust extractor inhales the flour cloud and pipes it to a central filtering plant, which catches and compacts it into bricks for easy disposal.

The same applies to metal dust; chemical dust; wood dust. Industrial dust is any form of particulate waste small enough to float in air. If it's small enough to float, it's too small to detect and it can't be cleaned off using normal methods. Buying a dust extractor is a simple and efficient way of saving machines and safeguarding worker's health against invisible violation. With filtration plants custom-built to deal with any kind of dust, from simple wood to lethal or explosive chemical, a dust extractor is the only reliable way to protect a business from unseen waste.

About the Author

Not all industrial waste is visible. A modern [dust extractor](#) is the only way to protect a business from potentially lethal unseen pollution.

Source: <http://www.seoscores.com/articles>