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DUST SUPPRESSION SYSTEM

 ENGLISH



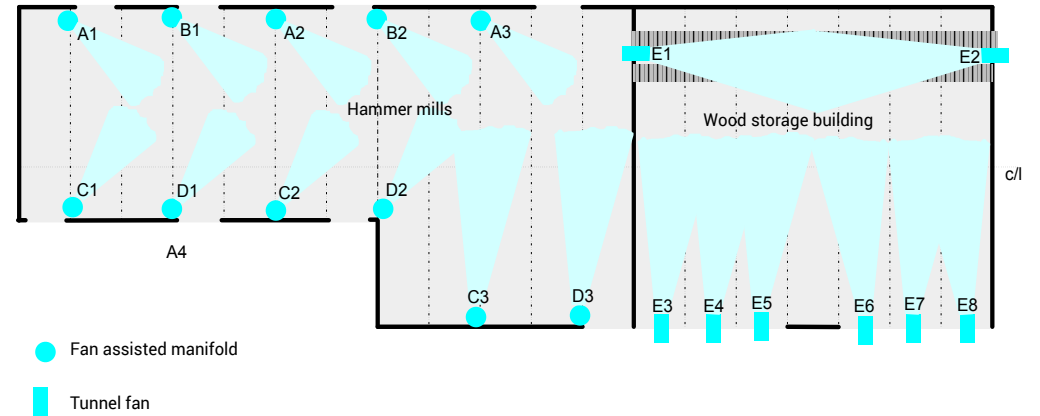


Dust suppression and odour control equipment for dusty sites, effectively controlling dust from wood and used in Board mills, Landfill Sites, Recycling works, etc. In fact anywhere where dust, fibres and odours cause a problem. Suppression works by continuously bombarding the released dust with ultra fine dry fog, which attaches to the chips-particles and causes them to drop, while the surrounding area and floor stay dry. As the released Fog is fine, it floats in the air without dropping to the floor, and actually attracts airborne dust particles increasing their weight. Mist is directed towards the dust forming areas, bombarding the dust as it is released, causing the particles to collide, and rapidly settling the dust close to the area it was formed in. Water sprays used for this application push past most of the fine dust due to the high surface tension of the water droplets. Fans are normally mounted on the roof beams to direct the mist to the desired area and to create a barrier which prevents dust from becoming airborne. Up to 20 fan units can be supplied with water from a single base unit. The system is economical & flexible

Advantages

- **Top reduction of fire risks in the press**
- **Preservation of press cleanness and maintenance reduction**
- **No need for a water treatment system**

to install and can be expanded when necessary; the running costs are moderate, helping to solve your environmental problems and improving the working conditions and health of the workers. The airborne dust is effectively suppressed without wetting stock, floors, machinery or personnel. It can be used to simultaneously treat several areas or buildings from one base unit, and any extensions can be done easily if required. A Base Unit housed in a free standing steel cabinet provides all the power for the system. A reinforced circulation hose is then fed from the base unit to the various circuits required around the site. This allows each area to be treated individually or simultaneously as required. Stainless steel fan assisted manifolds will be fitted to the roof beams, and they will be positioned well out of the way of equipment and tipping vehicles. Such system fits to hoppers, conveyors, shredders, wood chippers, crushers, screens, storage buildings and in any area where dust cause problems. Because of its proven high efficiency and low maintenance and purchase costs, such system has been already installed in major European board mills.



Delivering innovation respecting the environment



Instaltec S.r.l. a socio unico

Soggetta ad attività di direzione e coordinamento da parte di IPOEMA 76 FUNDUSZ

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