

# THE MONSOON

## Buffalo Turbine **Monsoon** for Dust Control



### Dust

Entrained dust originating from mining, quarry and demolition sites can create occupational health and safety hazards for workers.

Dust also has environmental consequences for the surrounding environment and neighborhood.

Hazardous airborne dust, containing possibly silica or asbestos, can be generated in the mining and demolition process.

Crushers, shredders, grinders, separators and bailers all have the potential to produce entrained dust.

### Odour

Obnoxious and potentially hazardous odour at waste transfer stations, composting sites and landfills have the potential to create health hazards for workers and reduce the quality of life for the surrounding community. With air quality a primary health and environmental concern, many government agencies, shires and municipalities enforce clean air regulations.

### The Quattro Monsoon Solution

Using a Monsoon Fog Cannon will:

- Ensure cost effective, high performance dust control
- Improve visibility
- Improve occupational health and safety
- Create an immediate dust solution for mine dumps, stockpiles and land development areas
- Provide a cost effective dust solution for events such as trade and agricultural shows, sporting events and construction sites
- Reduce water usage when compared to other technologies.
- Ensure environmental and OHS compliance

### The Benefit of Owning a Buffalo Turbine Monsoon

Wet mist suppression is one of the best methods for controlling and reducing dust and odours. By creating a wall of micron size atomized fluid droplets, fugitive airborne dust particles are instantly knocked out of entrainment, become heavier and drop to the ground.

*engineered to  
**perform**  
built to **last***

## The Buffalo Turbine Monsoon's Competitive Advantage

- The BUFFALO TURBINE MONSOON has a unique emitter arrangement that is unlikely to block regardless of the poor water quality prevalent on many Australian mines
- The BUFFALO TURBINE MONSOON does not have a high pressure pump and operates on municipal tap pressure
- The rate of water emission is adjustable according to requirement.
- The BUFFALO TURBINE MONSOON is small, compact and mobile in relation to competitor models
- THE BUFFALO TURBINE MONSOON IS COMPETITIVELY PRICED.



## Buffalo Turbine simplifies Wet Mist Suppression

Wet mist suppression is one of the best methods for controlling dust, odour and smoke. By creating a matrix of micron size, atomized fluid (commonly water) droplets, fugitive airborne pollutants can be bound and knocked out of entrainment.

Until the introduction of the Buffalo Turbine Monsoon Gyrotory Atomizing Nozzle, wet mist suppression was accomplished by costly, complicated, high maintenance spray nozzles and bulky fans commonly used for making fog or snow.

As water passes through the mesh screen of the revolutionary Gyrotory Atomizing Nozzle, turbine force wind shatters the flow, producing a uniform micron size mist wall capable of suppressing dust, odour and smoke. This provides wet mist suppression at a fraction of the cost compared to spray nozzle type machines. The Monsoon Gyrotory Nozzle has the additional advantage of using a large emission outlet. This means that it can be used in most Australian conditions without the possibility of blocking.

The Monsoon uses standard municipal water pressure and common 3/4" garden hose connection. Water volume can be adjusted from 0 to around 80 litres per minute.

Spray distance is equal to any of the more expensive units – in excess of 40 meters horizontally and 17 meters vertically, in neutral wind conditions. Spray direction can be changed using a wireless remote control.

## Greater Value

The simplified arrangement means that effective dust suppression can be achieved at a substantially reduced cost in comparison to similar equipment.

Interchangeable mounting options make the Buffalo Turbine Monsoon system portable and versatile between varying job-site environments.

## Options

The BTM is available in several power source options and compact, versatile mounting configurations. Each monsoon features the same legendary Buffalo Turbine single stage blower utilized in the motor sports industry. Petrol, diesel, electrical, hydraulic and PTO options.

*The Buffalo Turbine Monsoon is a powerful, cost effective solution to dust control.*