

# the Misting Company

Commercial, Industrial and Residential Misting Systems

## TMC DUST BUSTA

The Dust Busta provides effective dust particle control to an area larger than 200 square metres from a single location. The Dust Busta system uses a series of customer specified and project related nozzle systems to atomise water droplets between the ranges of 50 – 200 microns, this is the optimum size for particle attraction and area coverage, and then distributes this mist using powerful case axial fan according to specifications. The ducted fan generates the air through the barrel, giving the unit a wide range of coverage. The Dust Busta unit uses various water pressure pumps to create suitable mist to attract dust, odour and fume particles that drives them to the ground.

### Dust Busta Features:

- Powerful customer and project specified fans are used to create the correct airflow which is required.
- A hydraulic assisted height elevator so that the fan can be adjusted.
- Atomized spray that has a reach of more than 35 metres forward and up to 5m wide.
- Various nozzle applications can be designed to atomise water into droplets to suit client and project specifications.
- The misting system and fan have been designed to work together to ensure optimum flow, spray angle and delivery pressure to achieve the droplet size, velocity and distribution required for the most effective dust control.



### Fan Specifications

- Various fans with speed control to adjust air flow and pressure.
- A nominal 500mm fan with 250mm hub and 14 blade aluminium impeller. Casing thickness of 5mm steel, hot dip galvanized.
- A discharge cone complete with screen.

### Misting Specifications

- Stainless steel mist manifolds with various nozzle capacities are available.
- High pressure hydraulic hose (feedline).
- Various water pressure pump motors are available.
- Control panel.
- Filtration system.
- Various tank sizes available according to client and project specifications.
- Optional dosing pump with dust suppression chemicals.

### Control Panel Specifications

- Fan and mist start up and shut down.
- Low water indicator (low water automatic shutdown).
- Phase and overload protector for fan and mist system.

### Mounting Specifications

- Hot dipped galvanized mild steel frame with skid mount.
- Hydraulic height elevator (hand operated hydraulic ram for height adjustment).
- A suitable trailer can be specified according to client specifications allowing for a trailer mounted mobile solution.