



MONITECH
MINING MONITORING SYSTEMS



NEW



**INDUSTRY TESTED
UNDERGROUND APPROVED**

DUST SUPPRESSION SYSTEM





DUST SUPPRESSION SYSTEM

The **DUST STOP SUPPRESSION SYSTEM** is an industry proven **WHOLE DUST** suppression system for both **UNDERGROUND AND SURFACE** working environments. **DUST STOP** uses an **AIRLESS** system to feed water through a custom designed **AIRLESS FOAMING NOZZLE** that draws a **FOAMING AGENT INTO THE WATER SUPPLY**. The foam is sprayed to effectively **SUPPRESS DUST, REDUCING THE AMOUNT OF TOTAL DUST**. The Dust Stop **AIRLESS** system eliminates superfluous hardware to minimise setup and reduce life cycle costs.

THE DUST STOP SYSTEM requires no electrical or hydraulic power to operate. Simple to operate and easy to maintain, backed by Monitech's outstanding field service technicians - **24/7/365**

FOAM DUST SUPPRESSION – HOW IT WORKS



Increase wetting volume



Fine coats material mass
total dust blanket effect



Dust sticks to foam



Reduces water surface
tension



Does not release dust to
downstream transfer
points



Large nozzle prevents
blockages

DUST SYSTEM APPLICATION POINTS

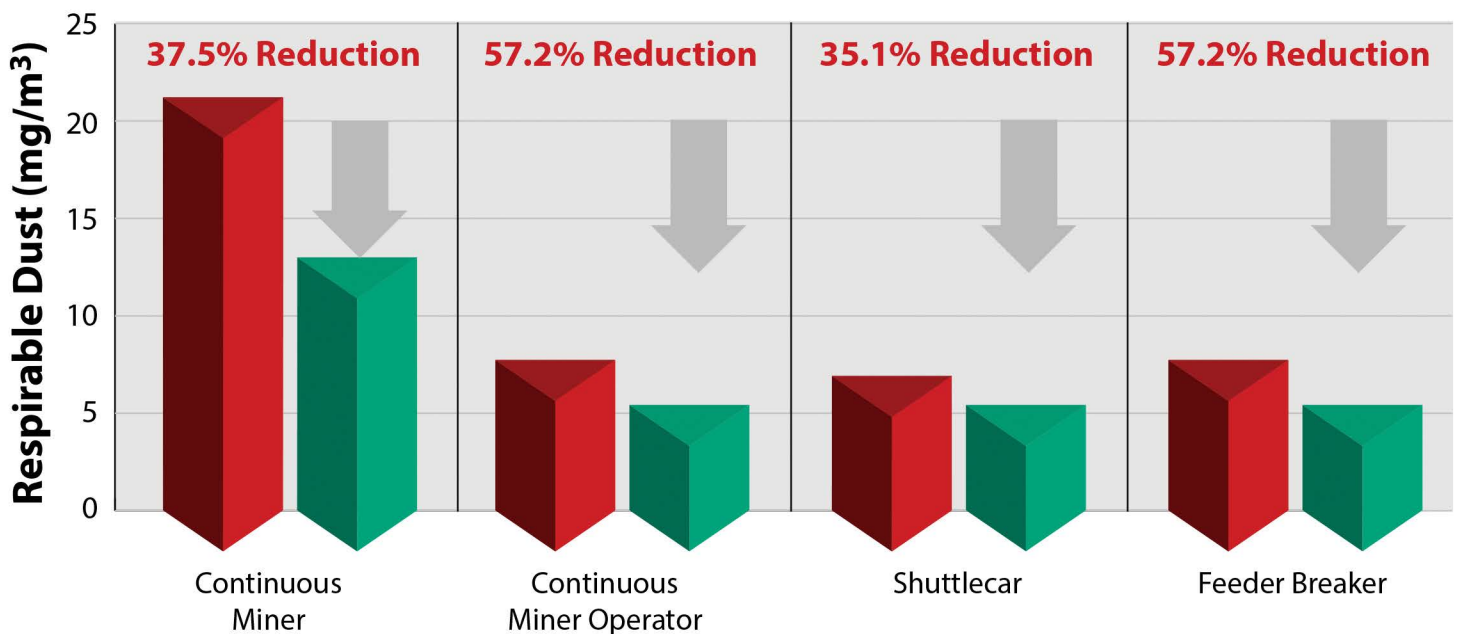
- Continuous Miner
- Feeder Breaker
- Underground and Surface transfer points
- Washing Plant



SYSTEM PRIMARY PARTS

<p>WATER SUPPLY TO SYSTEM</p> <ul style="list-style-type: none"> • Isolation valve • Pressure reducing valve • In-line filtration 	<p>DOSING PUMP ASSEMBLY</p> <ul style="list-style-type: none"> • Chemical dilution pump • Set dilution rate 0.4% • Minimal maintenance 	<p>TANK ASSEMBLY</p> <ul style="list-style-type: none"> • Stainless steel and powder coated • Internal baffle plate • Multiple securing options 	<p>AIRLESS FOAM NOZZLE</p> <ul style="list-style-type: none"> • Large nozzle prevents blockages • Can use 4 nozzle positions 	<p>TANK FILL & LEVEL</p> <ul style="list-style-type: none"> • Fill using quick coupler • Closed loop system • Visible level indicator
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RESULTS ACHIEVED - INFIELD TESTING



SYSTEM BENEFITS



Environmentally friendly chemicals



Reduces water usage, increases the water volume by 7 times to improve contact area



All site risk management and adoption process is available for implementation



Easy to install for any application and requires very little maintenance



Forms part of whole dust reducing system, does not interfere with operations



Reduces water tension, increases contact area and creates blanket effect

OPERATIONS SUPPORT

MONITECH will develop a site-specific Operational Support Plan

- Dust Stop system design specification
- Installation procedure
- Maintenance and Operational procedure
- Site specific Risk Management procedure
- Site specific Adoption procedure
- Training material - Maintenance, Operational and Safety
- Including on-site support



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