

## DYWI™ Dust and DYWI™ Duster



Patent Pending

## DYWI™ DUSTER

The DYWI™ Duster is aiding in enhancing safety and productivity in underground coal mining.

The DYWI™ Duster fits in one half of a battery or diesel scoop bucket for ease of transport. It is completely hydraulically powered by the PTO circuit.

Simple Operation - The unit is requires a scoop operator, and a person to operate the spray wand.



DYWI™ Dust combines wet dusting technology and polymers to allow for proper drying and lift characteristics for rock dusting.

DYWI™ Dust typically dries within 24 hours depending upon the mine air velocity and humidity.

The DYWI™ Duster is a completely hydraulic powered unit; which can be powered by a battery or diesel scoop PTO hydraulic circuit.

The DYWI™ Duster comes with 50' of hose and nozzle operation by the end user spray person, who is supported by scoop operator to function the unit.



The DYWI™ Duster allows for batching of product and face spraying operations in permissible locations.

A typical batch of operation allows for 250' of roof and rib coverage of DYWI™ Dust application, depending upon mining height and width. Hydraulic powered air compressor allows for 30-50% more coverage per batch by improved dispersion of product via air assist spray nozzle

## DYWI™ DUST

- DYWI™ Duster is simple to batch, spray, and troubleshoot with ease of operation.
- DSI is the manufacturer of the applicator equipment allowing for a One Stop Shop for the concentrate and application equipment.
- The DYWI™ Duster operates at low pressures to improve application and end user safety.
- The DYWI™ Duster operates with existing technologies that have been tuned to properly apply the new technology DYWI™ Dust product. DYWI™ Dust is process patented, drying process patented, and equipment patented.
- DYWI™ Dust can be applied to 250' of roof and rib in approximately 15 to 20 minutes dependent upon coverage thickness.
- DYWI™ Dust aides end user customers with application of 80% rock dust to meet MSHA 9/10 ETS on rock dust, without adding respirable dust to the mine atmosphere.
- DYWI™ Dust allows end user customers to self perform and improve last open crosscut dusting operations while the production unit is under operation, further reducing shut down periods due to MSHA rock dust sampling of the last open crosscut.
- DYWI™ Dust is cost effective and easy to apply with a two man operation.
- DYWI™ Dust will also aide the US Coal Industry in meeting future MSHA mandates on reductions of respirable dust in the mine atmosphere.



The DYWI™ Duster is simple to operate, controls are pictured in the photo above.

Full hydraulic adjustability is possible with the DYWI™ Duster to allow the machine to be utilized by various mine utility equipment and scoops.



DYWI™ Dust can be applied at thicknesses of a range, between .02 inches and 1.5 inches.

DYWI™ Duste can be thinly applied or applied with numerous layers to increase thickness.

DYWI™ Duster and DSI Technical Sales and DSI Technicians provide on site training to ensure safe

operation of all DYWI™ Duster equipment.

*The DYWI™ Dust technology is a tool that can be utilized to improve underground coal mine rock dusting. Products supplied by DSI comply with DSI's specifications. However, the conditions under which DSI products are used have not been assessed by DSI and must be assessed and monitored by each user. DSI does not allege that its products will be fit for the user's intended use or that the products will ensure MSHA compliance. The responsibility for proper rock dusting of the mine lie with the mine operator and their operations personnel to meet the MSHA requirements for their mine location. The mine operator assumes all responsibility and liability arising from the use of DSI products.*

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