

As Chief Growth Officer, **Bill Werra** is focused on delivering unprecedented customer value. He is also focused on designing strategies to better serve customers across industries and drive expansion into new markets and applications.



By Bill Werra

How The Right Dust Collection System Improves Bottom-Line Performance

A properly sized dust collection system can help protect employees and improve your operational efficiencies.

No matter the industry, dust collection is critical to a facility's operations. Dust collection systems allow businesses to comply with stringent standards and protect the safety of employees, their assets and communities. Industrial dust comes with many other inherent risks – increased scrap, dirty plants, pollution, and workplace safety.

Once in the air, dust can also present basic health and safety risks, and impact bottom-line performance in many ways:

- All dust presents the risk of inhalation that can impact a worker's lungs, heart, respiratory system and more.
- Not being compliant with OSHA and EPA standards and regulations can lead to fines and potential shutdown.
- Dust settles onto floors, machinery, workspaces and more. This impacts machine performance, increases risk of falls, and limits visibility.
- Escaped dust emissions can potentially harm the surrounding community, negatively impacting your relationships with neighbors and your reputation.



One Size Doesn't Fit All

Every application is unique, and your dust collector should be too. The wrong upfront investment in the improper size, filter, airflow or setup can lead to costly risks down the road. Serious inefficiencies can impact production and increase your operating costs.

It can cause issues within the collector itself, or plant-wide issues. Escaped dust can infiltrate bearings of other equipment causing breakdowns, or clog the facility's air filters.



Benefits of a Customized Dust Collector

The right upfront investment can have a positive impact on your bottom line through:

- Increased production efficiencies.
- Minimized risk.
- Healthier, safer work environments.
- Preserved product integrity.
- Maximized uptime.
- Improved employee morale.

Additionally, a properly engineered system can collect reusable materials to eliminate unnecessary scrap, decrease material costs and drive efficiencies throughout your entire process.

Keeping Your Plants Up and Running

A dust collection system is not just a one-time expense. It's an investment that should be evaluated with a long-term ROI in mind. Regular proactive investments in maintenance and proper operation ensure that your facility stays up and running, protecting what matters most and maximizing your bottom-line results.

A focus on maintenance is critical to ensure that your dust collection system continues to perform at a high level. Properly maintaining your filters, ducting and other components will help eliminate escaped emissions and production stoppages. An improperly sized or maintained collector also can hurt your ability to keep your plant up and running under EPA and OSHA regulations, which can lead to severe fines.

In summary, here are the three ways you can put this learning into action.

Know Your Dust. Knowing your dust, or working with someone who does, will help you make informed decisions about the right collector for your facility.

Specify the Proper Equipment. Improperly sized collectors can cause serious inefficiencies that impact production and increase operating costs.

Invest in Ongoing Maintenance. Regular investments in proactive maintenance and proper operation ensure that your facility stays up and running. ♦



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