



The CMAXX Dust Collector proven to withstand a deflagration up to 185 KST and internal pressure exceeding 4 PSI.

The CMAXX Dust Collector from Imperial Systems, Inc. is officially certified to be IDA (In-Line Deflagration Arrester) compliant.

JACKSON CENTER, PA, UNITED STATES, January 29, 2016
/EINPresswire.com/ -- Imperial Systems, Inc. tested the CMAXX Dust Collector with IDA DeltaMAXX Filters and found that in all tests, the filters could stop a flame front and isolate a deflagration, a term describing a subsonic explosion.



There was no trace of flame or spark transmission downstream of the IDA filters or in the clean air plenum.

Using the CMAXX unit's body, without explosion venting, the Collector was proven to withstand a deflagration of corn starch at 185 KST with pressures exceeding 4 PSI. The entire explosion diverted through the IDA DeltaMAXX Filters, which showed no signs of deformation. The internal cages of the filters remained in perfect shape and the seals did not deform or melt whatsoever.

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*Jeremiah Wann,
President/CEO*

“Putting the CMAXX through the third party explosion testing has been one of the most exciting things we have done here at Imperial Systems,” says Jeremiah Wann, President and CEO. “No one knows the CMAXX better than myself, but when you expose it to such extreme conditions such as

combustible dust testing, you will find weaknesses and strengths that you had no idea existed". We have compiled the data from the tests and have made improvements to the CMAXX Collector that now makes it the best built, toughest dust collector in the industry. We are more confident than ever before that our CMAXX Dust Collector can withstand the toughest applications and that we are protecting your workers and work facility.

All testing, proving that the CMAXX Collector can be used as a flame front deflagration arrester when used in conjunction with IDA DeltaMAXX Filters, is backed by third party testing. All reports and test results are available by request.

About Imperial Systems, Inc

Located just north of Pittsburgh, Pennsylvania in the small town of Jackson Center, Imperial Systems is among the top dust collection equipment manufacturing businesses in North America. Our values are built on designing and installing custom industrial dust collection systems with the strongest, most durable, fabrication to meet our customer's needs.

We design innovative but practical and useful dust collection solutions for just about every industry, including, but not limited to: recycling, seed, grain, carpentry, welding, CNC plasma/laser cutting, thermal spray, grinding, mining, aggregate, sand blasting, aluminum, powder coating, biofuels, food processing, pet food, fiberglass, agricultural, chemical processing, paper scrap, fiberglass and many more.

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