

Shield your manufacturing process and people from dust explosions and offer peace of mind with CV Technology.

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- Suppression
- Isolation
- Venting
- Flameless Venting
- Dust Testing
- OSHA And NFPA Compliance



CV TECHNOLOGY
FIRE AND EXPLOSION PROTECTION

NFPA 652 Fact Sheet

A new combustible dust standard, NFPA 652, is being released and it may be the standard for your facility depending on your circumstances:

Is combustible dust being handled? Examples include agricultural products and dusts, carbonaceous dusts, chemical dusts, metal dusts and plastic dusts. If you are not sure, test the dust.

Is the dust in equipment where an explosion could occur? Dust collectors, bucket elevators, silos, bins, or hoppers.

Is dust accumulating in your facility? Look particularly at hard to reach areas such as beams, ducts, as well as on floors and on equipment.

Are ignition control measures in place? Electrical classification, bonding and grounding, hot work permits and control, even vacuum cleaners need to be suitable for the environment.

Are prevention measures in place? Infrared and spark detection, magnets and metal detectors, hot work permits, training and re-training are examples.

What protection measures are in place? Explosion protection equipment such as vents, suppression systems, and isolation valves should be employed.

Through our proven Shield Review Process we can help you navigate the new standard and make sure you are compliant and safe.

SHIELD REVIEW PROCESS

Analysis / Dust Testing

Our experts will help you determine what tests are necessary and appropriate for your process.

Mitigation / Solutions

Our Interceptor line of products will be custom tailored to fit the basis of safety required for your manufacturing process.

Implementation / Execution

Our team of engineers, consultants, and service technicians work together with you to ensure a successful installation.



NFPA 652 FAQ

Why was a new NFPA dust standard developed?

NFPA 652 was developed to help make the combustible standard process easier to use. It is a document for all industries to use as the starting point to address the combustible dust hazard.

Are the industry specific standards still used with NFPA 652?

Yes, the industry specific standards are still used depending on your industry. There are five industry specific standards NFPA 61, NFPA 484, NFPA 654, NFPA 655, and NFPA 664. When you have conflicts between the NFPA 652 and the industry specific documents you need to follow the conflict rules in NFPA 652.

How does NFPA 652 handle conflicts with other combustible standards?

NFPA 652 has a conflict resolution section that handles conflicts with the industry specific standards in the following manner:

Where a requirement in an industry specific NFPA standard differs from the requirement in NFPA 652, the requirement in the industry specific standard shall be permitted to be used.

Where a requirement in an industry specific NFPA standard prohibits a requirement in NFPA 652, the prohibition in the industry standard shall be apply.

Where an industry specific standard neither prohibits nor provides a requirement, the requirement in NFPA 652 shall be apply.

What is a DHA?

A Dust Hazard Analysis (DHA) really has three goals that it should achieve. The first goal is to identify where a dust hazard exists. The second goal is to identify what safeguards currently exist in a process. The final goal is to identify where safeguards are needed in the process. The DHA requirement in NFPA 652 is retroactive to processes that handle combustible dust. Additionally, an example DHA is included in the Annex section of NFPA 652.

How do I determine the hazard associated with my dust?

NFPA 652 allows you to determine the hazards of your dust using two different methods: First and recommended: Test the dust at a qualified lab, CV Technology can help with that; second, use published data for similar dust. However, the historical data needs to be representative of the materials being handled and documented. Tables in the Annex section of NFPA 652 include historical dust information.

Call Your CV Technology Representative Today For Complete Details



CV TECHNOLOGY
FIRE AND EXPLOSION PROTECTION

Global Leader In Explosion Protection

15852 Mercantile Court • Jupiter • Florida 33478

Ph 561.694.9588 Fax 561.694.9585

www.cvtechnology.com