

# COMBUSTIBLE DUST HANDLING AND SAFETY



## PROJECT WORK

Since EAD's first days, handling combustible dust has been a significant part of our project work. Whether in food production, grain handling, metalworking, or wood processing, we are experts in designing, installing, and automating bulk solids handling systems to control explosion hazards. We design and troubleshoot dust collection and pneumatic conveying systems, including duct design, equipment specifications, and explosion protection systems.

## DESIGN AND VERIFICATION

Combustible dust explosion protection requirements have been adjusted with the release of NFPA 652 (Standard on the Fundamentals of Combustible Dust). EAD can help you navigate the requirements, both retroactive and forward-looking, and apply them practically and safely to your facility. We have consulting experience regarding NFPA compliant dust hazard analyses (DHAs) and safety management systems.

## COMBUSTIBLE DUST CODES AND STANDARDS WITHIN OUR EXPERTISE

NFPA 652 – Fundamentals of Combustible Dust  
NFPA 61 – Agriculture and Food Processing  
NFPA 664 – Wood Processing  
NFPA 484 – Combustible Metals  
NFPA 654 – Combustible Particulate Solids

NFPA 68 – Explosion Venting  
NFPA 69 – Explosion Prevention  
NFPA 77 – Static Electricity  
NFPA 91 – Exhaust Systems  
NFPA 499 – Dust Hazardous Area Classification

NFPA 36 – Solvent Extraction Plants  
OSHA 1910.272 – Grain Handling Facilities  
FM Global Data Sheet 7-76 – Combustible Dust Explosion Prevention  
FM Global Data Sheet 7-73 – Dust Collection Systems



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