



Combustible Dust Management

Managing hazards associated with handling combustible dusts requires an understanding of dust characteristics coupled with a thorough knowledge of evolving combustible dust management standards and practices. ioKinetic has the tools to help you:

- Characterize your dust
- Develop programs (e.g. management of change)
- Conduct process hazard analyses
- Size dust deflagration vents

Dust Testing

The list of available dust characterization tests is extensive. Before you invest time and money, let our consultants help you define which tests are relevant to your application.

Process Hazard Analysis

Analyzing your operations can take many forms. From initial assessments to detailed process hazard analyses (PHAs) our consultants can help you come into compliance with the requirements of current codes and standards from OSHA, NFPA, ASTM, etc.

Program Development

Codes and standards from government and industry groups change at a rapid pace. Our professionals stay abreast of recent best practices, so that we may help you navigate this complicated and changing area.

Deflagration Vent Sizing

ioKinetic has the capability to size dust deflagration vents using both the shortcut methods in NFPA 68 or dynamic modeling (for those systems outside the parameters of NFPA 68).

Combustible Dust Management Tools

We also offer software solutions to help you address the ongoing requirements of managing combustible dusts:

- **Process Safety Office®** includes multiple components to simplify compliance current good engineering practices. PHAGlobal® includes pre-populated checklists for simplifying the conduct of process hazard analysis of dust handling operations. The SuperChems™ component includes routines for implementing both the shortcut methods found in NFPA 68 and dynamic models for more complicated systems.
- **Process Safety Enterprise®** is a customizable enterprise knowledge management solution that can help you manage dust data and provide workflow solutions for management of change and action item management.

Key Services Available

Dust characterization testing and analysis
Initial assessment
PHA
Deflagration vent sizing
NFPA 654 compliance audit
Employee training
Standard development
Software solutions for PHAs, management of change and data management
Incident investigation

