

## PDCS SERVICE DIVISION

**P**recision **D**ust **C**ollection **S**ystems offers on-site maintenance programs to prevent dust collection systems from becoming the source of production down-time and compliance issues.



**The best method to eliminate these issues and maintain a system's highest operating efficiency is to set up a preventative maintenance program that PDCS tailors to your company's specific needs.**

## WHO WE ARE

At Precision Dust Collection Systems, our commitment to you our customer is our #1 priority. We will not leave you hanging when you need HELP the most.

To maintain our integrity, is too important and such a rarity these days. We take nothing for granted, especially what we think our customer wants.

We question our actions, so you don't have to. That you have the level of comfort knowing that you're being looked after.

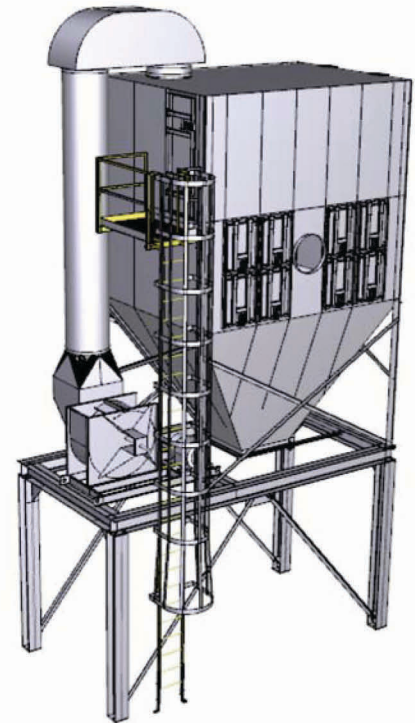
After all; without you as our customer, we are simply nothing and of no value.

Helping one another succeed.

### PRECISION DUST COLLECTION SYSTEMS

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## PRECISION DUST COLLECTION SYSTEMS

*Regular service will help ensure your system operates efficiently and more reliably throughout its entire service life.*

## SERVICE TASKS

### Maintenance calls Include:

- ✓ Remove and replace filter tubes, cartridges and cage
- ✓ Clean compartments and seal leaks
- ✓ Empty and scrape down hoppers
- ✓ Clean fan blades and housing
- ✓ Repair shakers and pulse cleaning equipment
- ✓ Repair damper valves and airlocks
- ✓ Shake down and recharge Ultra Filtration units
- ✓ Clean and repair fabric filters (subject to MOE approval)

### Preventive maintenance calls include:

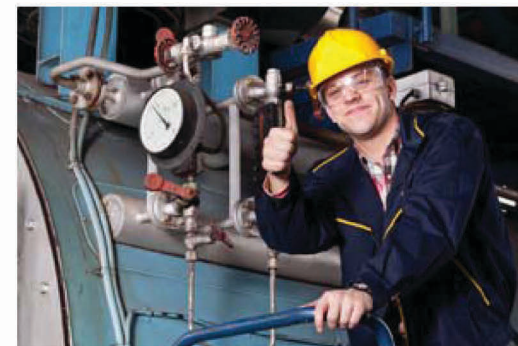
- ✓ Regular physical checks on equipment condition and operation
- ✓ Record gauges, static pressure and air volume readings
- ✓ Visi-scan leak detection
- ✓ Documentation/record keeping
- ✓ Minor repairs such as rehangings or replacing filter bags, adjust damper valves, setting belt tension and repairs to differential pressure meters.



## COMMON DUST COLLECTION SYSTEM PROBLEMS

Here are a few of the more common problems that can occur with industrial dust collection systems:

- Baffle Integrity
- Bag Failures
- Broken Cages
- Cell Plate Leaks
- Change in Capacity Requirements
- Change in Air/Dust Properties
- Collection Wall Corrosion
- Controller Failure
- Inadequate Compressed Air supply
- Incorrect Controller settings
- Modified Ductwork
- Poor Gasketing/Seal
- Solenoid Failure
- Diaphragm Failure
- Faulty Airlock
- Faulty/Missing Gauges
- Faulty Screw Conveyor
- High Bag Usage
- High Emissions
- Improper Bag/Cartridge Installation
- Sub-Optimal Filter Media Type
- Timer Problems
- Tubesheet Leaks
- Un-insulated Components



## PERFORMANCE EVALUATION

Our Factory trained technicians provide an overview on your system's performance and condition. We can diagnose your problems and tell you what is required to bring the system up to acceptable standards.

Typical Evaluation includes:

- ✓ Filter media performance
- ✓ Air volumes, static and differential readings of pressures
- ✓ Inspect condition of:
  - Housings, ducts and dampers
  - Fan drives, blades and housing
  - Shakers, diaphragms and solenoids
  - Conveyors, airlocks & disposal systems

## DESIGN & TECHNICAL SERVICES

Our personnel have years of experience in the design, specification, installation, and operation of all types of bag house dust collection systems.