

# Dust Collector and Monitoring Solutions

## Optimize dust filtration efficiency to drive productivity and sustainability improvements

### Challenges

#### Optimize productivity and efficiency

You are under pressure to improve operational and energy efficiency, requiring higher peak pressures and optimized pulse cleaning. Compressed air usage must be reduced, with reliable and early detection of filter bag leaks that impact performance and sustainability.

**OPTIMIZE  
CLEANING  
PERFORMANCE**  
TO REDUCE  
OPERATIONAL COSTS



#### Increase reliability

Greater dust collector reliability and availability is required, with equipment failures and unexpected downtime prevented. Insights into system health and performance are needed to support predictive maintenance strategies and improve overall equipment effectiveness.

**GAIN INSIGHT  
INTO DUST COLLECTOR  
PERFORMANCE AND  
HEALTH**



#### Speed time to market

Dust collector designs and manufacture processes must be simplified and optimized, helping to streamline approvals and industry certification processes. There is a need to reduce the number of suppliers to streamline procurement, with support provided globally.

**INTEGRATED  
SOLUTIONS**  
REDUCE TIME TO  
MARKET AND MAXIMIZE  
PROFITABILITY



# OUR SOLUTIONS – Increase the reliability and efficiency of your dust collector system

With Emerson's SCADA and analytics software, control systems, condition monitoring and ultra-reliable valves you will be able to monitor and improve the performance of your dust collector systems. As a result, these will require less maintenance, consume less energy and create lower operational costs for the end-user. Advanced automation technology integrates seamlessly, helping to simplify designs and manufacturing processes, while a comprehensive portfolio with all necessary industry certifications streamlines the procurement and approvals processes.

Scan or click the QR codes below to discover our solutions that will optimize your cleaning performance, prevent dust emissions and reduce complexity:

## HMI/SCADA Software

Innovative and flexible software solutions provide analytics and visibility to dust collector application productivity and energy consumption.



## Diagnostics & Controls

### ASCO™ Series DPT P150 Particle Monitor



### ASCO Series DPT P151 Controller



### ASCO Series DPT P152 Particle Sensor



### ASCO Series P150Q Particulate Emission Monitor



### PACSystems™ RSTi-EP CPE200 Series Controller



### PACSystems RX3i CPL410 Edge Controller



### PACSystems Edge Computing and Software



### AVENTICS™ Series PE5 Pressure Sensors



### TopWorx™ GO™ Switch Position Sensors



### PACSystems Power Monitoring Module



## Dust Pulse Technology Solutions

### ASCO Series 353 Pulse Solenoid Valve



### ASCO Series 355B Tank System



### ASCO Series 257 Pilot Valve



### ASCO Series E909 Electronic Valve Controller



### AVENTICS Pneumatic Cylinders



Scan code for more information.



**EMERSON**