



POWDER DUST CASE STUDY CARTRIDGE COLLECTOR SOLUTION

Ivoclar Vivadent is a leading international manufacturer of dental products including a ceramic line for dental implants. The manufacturing process generates dust during the filling, batching, mixing, screening, and machining of the materials. When Ivoclar began their manufacturing expansion here in New Jersey, Clean Air Company was contracted to design and install a dust collection system.

The design included over a dozen source capture collection points using various types of Plymovent extraction arms. Dust is collected and transported



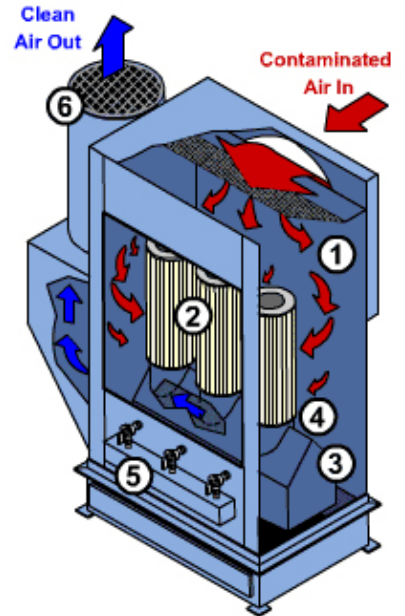
to a Amtech self cleaning cartridge collector capable of handling 9,500 CFM. The air is then sent through a HEPA filter before being redistributed back into multiple rooms to prevent negative pressures.

An electrical controller monitors the overall pressure of the system which will increase the fan speed as filters load up over time. Source capture efficiency is always maintained and duct velocities remain constant.

Clean Air Company, established in 1976, provides all design calculations in accordance with the ACGIH standards. We are members of the National Air Filtration Association (NAFA), National Fire Protection Association (NFPA) and are currently obtaining ISO 9001:2008 certifications.

What can we do for you? We can survey your facility and furnish design parameters, air flow calculations, code compliance requirements, energy saving recommendations, coordination drawings, and vendor supplier quality assurance.

Call us today for more information on your dust collection needs and facility compliance with current OSHA regulations and compliance --- and incidentally, the survey we provide is free.



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