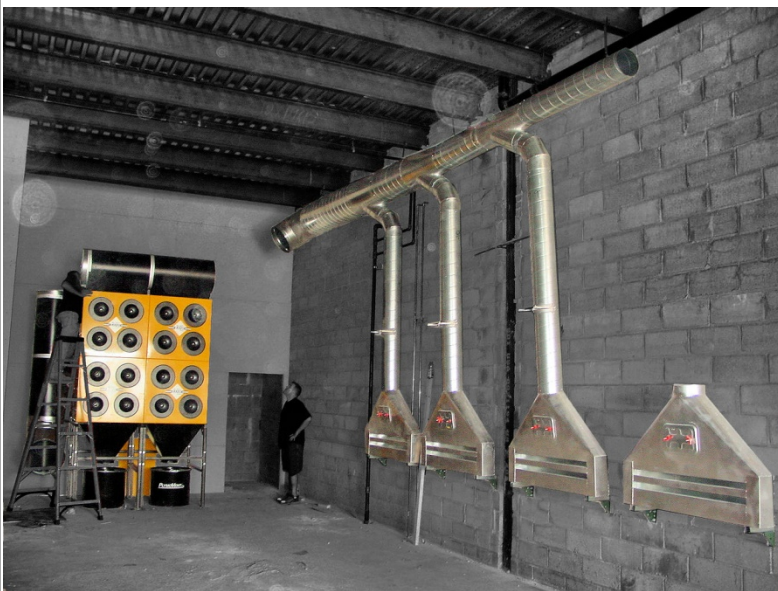
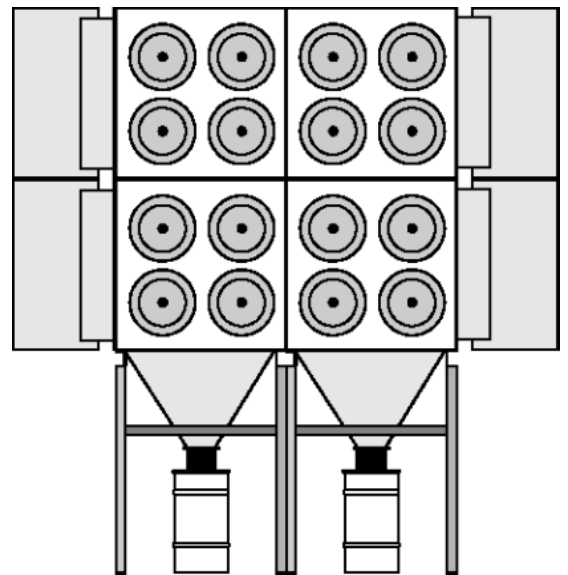




## CONCRETE/SILICA DUST CASE STUDY *DUST BANK* SOLUTION

Accurate Precast Corp. does custom design of precast stone and concrete. The process of finishing off the product generates large volumes of concrete/silica dust. Accurate Precast Corp. in its commitment to quality finished products and employee safety needed *Clean Air* for the finishing room.

High rpm disk grinders generated so much dust it was slowing down production by reduced visibility, maintenance clean up, and down time to vent the room. Clean Air Company designed a Push-Pull system for a 40x20 room. Custom hoods were designed to provide adequate capture velocities to capture particulates thrown off the grinders at high speeds. The hoods also assist in the filtration by allowing heavier particulates to fall out in the hood reducing the burden on the filters.



A PlymoVent 16 cartridge self cleaning Dust Bank is sized for over 6,500 CFM. The air is filtered and circulated back into the room in such a manner to push the air towards the custom fabricated hoods. The self cleaning controller is programmed to pulse the filters throughout the day so dust falls down through the hopper into the collection drum. The design has allowed the filters to hold up against the abrasive dust for almost two years before requiring replacement. The circulated air keeps energy costs down during cold months and the air flow keeps employees cooler in the summer months.

428 NEW BRUNSWICK AVENUE, FORDS, NJ 08863

800-738-0911

[WWW.CLEANAIRCO.COM](http://WWW.CLEANAIRCO.COM)