Keystone Plastics manufactures street sweeping brushes in its 66,000 square foot facility in South Plainfield, NJ. The process generates large amounts of metal dust creating multiple issues with equipment maintenance, OSHA compliance, and employee health. They needed Clean Air.

Clean Air Company designed a dust collection system that included customized hoods, energy savings controls, pneumatically controlled air flow gates and a guaranteed 2 year filter life warranty. Establishing proper capture velocities for the customized hoods, minimum conveying velocities to prevent particulate build up, proper air cloth ratio for extended filter life expectancy and a single switch control for system simplicity and energy savings were part of the engineered design.

The Amtech 12 cartridge collector provides 5400 CFM with a pressure monitored self cleaning system. Filter cleaning is based on differential pressure while total system pressure is controlled by the VFD for consistent air flow delivery. Air is filtered and uniformly returned into the facility keeping energy costs down. This project qualified for New Jersey’s Clean Energy program allowing Keystone to receive almost $2,000 back.

To learn more about the Clean Energy program or improving indoor air quality contact Clean Air today!