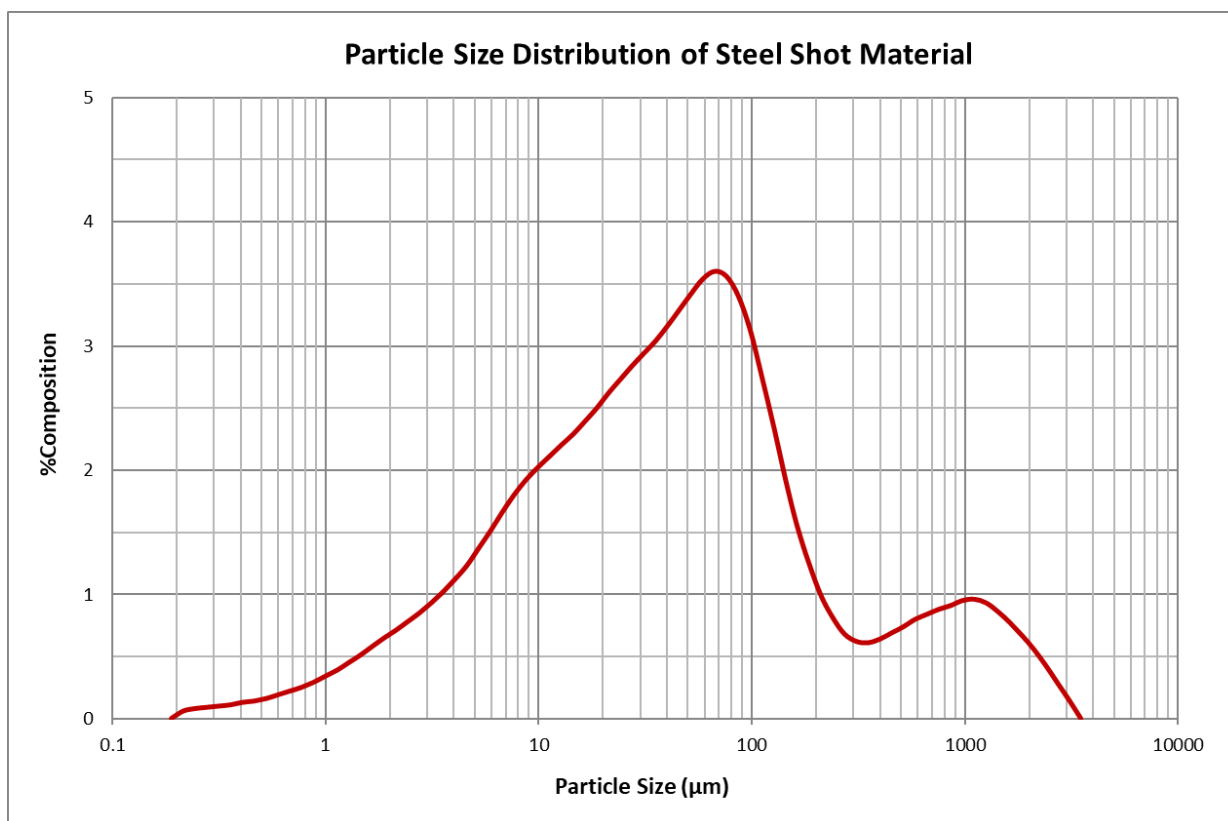


GPC Cyclone Dust Removal Case Study

Steel Shot Powder Removal

Aerodyne Environmental tested steel shot powder in our GPC-08 test lab. The test was done at room temperature with a pressure drop of 6" W.C. through the cyclone. The dust loading was 20 grains/ft³. The steel shot powder sample had a particle size distribution as shown in the graph below. Its mean particle size was 45 micron with a bulk density of 148 lbs/ft³.

The GPC-08 cyclone got 90%* removal of the material.



* Please note that particle removal efficiency is based on multiple factors in the process, including but not limited to cyclone size, pressure drop through the cyclone, particle size distribution, particle geometry, and material density. This test is a representative test, and results for your application may be different based on the above conditions.