



# Case Study # 106

## Particulate Scrubbing in Metal Processing

In operation since the late 1990's, this powder metal processing company located in Pennsylvania has installed four Verantis venturi scrubbers over a five year span. The potentially explosive metal dust from screw conveyors and other ventilation sources are sent to the wet scrubber for collection and recovery.

The solution was our MTV, multi throat venturi, which can tolerate high solids loading without fouling which makes it ideal for applications with heavy loadings of medium to large particulate. Constructed of durable, corrosion resistant 304 stainless steel, the MTV venturi scrubbers ranged in sizes from 2000 ACFM to 5,000 ACFM. These units handle a combined gas flow of 14,000 ACFM and are located in a variety of plant processing areas. Eliminating a potentially explosive situation as well as providing economic product recovery are just a few of the benefits of the MTV Venturi.



Product Literature: (click on links to take you to the literature)

[Venturi Scrubber Systems 12-21](#)

[MTV Series Rod Scrubbers \(MTV design\) 12-15](#)

<b>Application</b>	Metallic Dust Recovery
<b>Exhaust Volume</b>	2,000—5,000 ACFM)
<b>Exhaust Temperature</b>	Ambient
<b>Exhaust Pressure</b>	10" W.C.
<b>Contaminant</b>	Aluminum, Manganese & others.
<b>Removal Efficiency</b>	99%
<b>Scrubbing Solution</b>	Water
<b>Materials of Construction</b>	304 Stainless Steel