



### **Application:**

Wood Pattern Shop

### **Collector Model:**

SPJ-56-X4T8

Fabric Collector w/ Top Bag Removal

### **Air Volume:**

10,000 ACFM

### **Air-to-Cloth Ratio:**

18.9 to 1

Contact Scientific Dust Collectors for more information. Ask for Application Number 309705.

## **Application Notes:**

A growing wood pattern shop required a new dust collector when their operations expanded doubling their dust collection system air volume requirements. Prior to using a Scientific Dust Collector, the pattern shop collected their dust using a cyclone which did not provide acceptable efficiency to meet local air quality permitting requirements.

A total of 15 woodworking machines, including CNC routing equipment, are used to make wooden patterns out of Ren-Board. Facility generally runs two shifts per day throughout the year. The Scientific Dust Collector includes a rotary air lock and auger to move sawdust from the collector to a nearby dumpster. A sprinkler head and explosion venting protect the Scientific Dust Collector from risks of fire. Filtered air is recirculated back into the pattern shop.