



**Application:**

Oily Welding Smoke

**Collector Model:**

SPJ-72-X4T8

Fabric Collector w/ Top Bag  
Removal & Walk-In Plenum

**Air Volume:**

8,800 ACFM

**Air-to-Cloth Ratio:**

13.8 to 1

Contact Scientific Dust Collectors  
for more information. Ask for  
Application Number 019508.

**Application Notes:**

Company MIG welds stamped automotive parts that are oily from stamping. Smoke laden air from ten welding robots enclosed in welding booths is collected in a centralized system. Cleaned air discharged from the Scientific Dust Collector is recirculated back into the facility.

Application uses a pre-coat feed system to coat fabric bags for increased efficiency. Collector is not pulse cleaned during the hours that welding smoke is being collected. Every four to eight hours the dirty air blower is idled and the collector is pulsed cleaned. After pulse cleaning, fabric bags are again pre-coated and the system is put back into operation. Automatic controls perform all cleaning cycle timing. Approximately 16 lbs. of pre-coat materials is used per month.