

Company implements high-tech processes in industrial electronics

Focus:

Eliminating the health risk within this company's manufacturing process was necessary. The laser parts process was omitting oil into the environment and there was no filtration system or a proper collection point for the contaminant.

Challenge:

The oil mist was created by the laser parts fabricating and traveled into the production area where employees were working. The team wanted to eliminate the pollutant from production as well as all of the other areas the oil mist had likely infiltrated.

Solution:

SmogHog® SHN-40s stacked to achieve 8000 CFM were installed. The system included an external blower tied into both systems to achieve the volume, along with drain bottle assemblies.

Impact:

This customer can focus on their vision to build the industrial world of tomorrow.



Project Name: Building machine tools and lasers for industrial manufacturing this company implements high-tech processes in industrial electronics.

Locations: Located near the East Coast

Summary

A company concentrated on high-tech processes in industrial electronics needed guidance to ensure better air quality for their employees.

Challenge

The oil mist leaving the laser part area was creating an air quality challenge for this business. This is dangerous for employees to breathe as well as it makes surfaces slippery and could impact the equipment running throughout the plant.

Solution

The customer contacted their Distributor who visited the location. The Distributor understands air quality and how to solve problems in many types of applications. After conducting a site survey and analyzing the environment, the Distributor engineered a complete solution with Parker equipment for their air quality challenges.

Recommended were two SmogHog® SHN-40 units, stacked and connected with one external blower that works to achieve air volume. The system also included two drain bottle assemblies which will later help to confirm the oil mist is being captured. The ductwork was then angled to fit under the crane and away from the interior wall. The Distributor was able to get creative to install the units as the floor space and the overhead space were quite limited. The system was designed most effectively as a result of the site survey and the Distributors' experience in mist and fume collection.

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Solution *continued*

The SmogHog SHN Series is the industry's most effective electrostatic precipitator (ESP) solution for removing airborne oil smoke and coolant mist contaminants, engineered to perform long-term heavy-duty industrial air cleaning, the system offers flexible installation options as demonstrated by this customer.

Impact

Experience that the Distributor brought to the customer and the effort of conducting a site survey provided insights into the overall solution that otherwise may not have been included. The angling of the ductwork and the stacked solution was able to deliver 8000 CFM. The two drain bottle assemblies are illustrating the volume of oil mist captured every day.

The customer is no longer worried about air quality. **Clean Air. It's What We Do.®**

