

## *Taking the Mess Out of Paint Booth Cleaning*

A Philadelphia metal parts fabricator received a large order from one of its regular customers. This job, from a major aircraft manufacturer, resulted in a lot of cleanup.

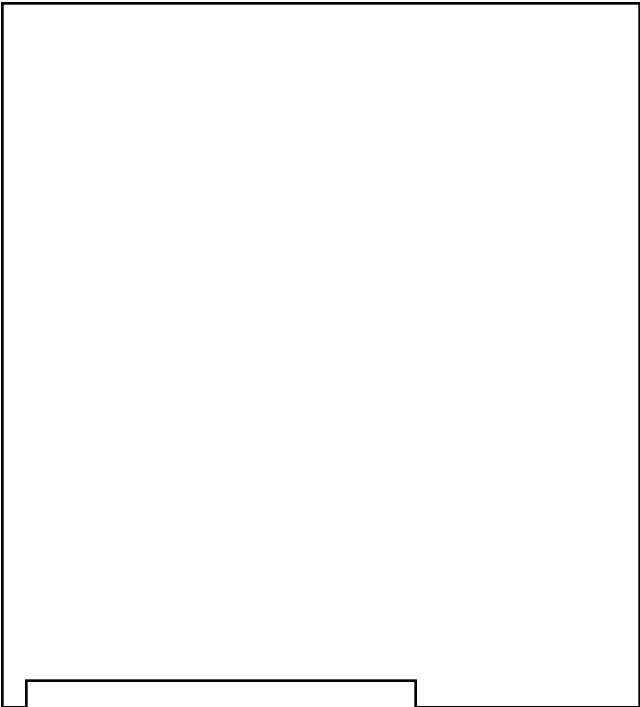
Most of the customer's fabricated products required high-specification spray painting, so the wet-paint-booth opera-

tion was a busy place. Keeping the booth and water system clean was a dirty and costly chore. Once a month the company shut down for booth cleaning. Two maintenance people would spend four to six hrs removing the booth panels and shoveling paint sludge out of the water trough, depositing it in 55-gal drums for disposal.

This was expensive because of the man-hours, lost production time and disposal problems created by the hazardous paint waste. The spray booth accumulated at least a full 55-gal drum between cleanups.

All this is history since the company installed an Alfa Laval Fluid

**WET SPRAY  
BOOTH traps  
overspray  
particles using a  
wall of water.**



Purification System. The system has eliminated shoveling the paint waste. The system keeps the booth water clean and reduces the total waste volume by creating a drier sludge.

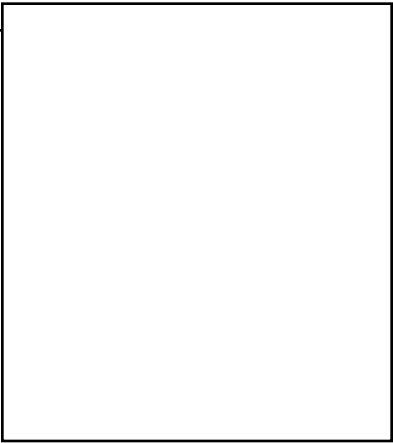
The system is centrifuge based. Paint booth water is continuously pumped into the system where centrifugal force separates the paint from the water and returns clean water to the booth.

Paint booth personnel stop the machine once a day and remove the sludge from the centrifuge basket. It generally accumulates less than one gpd of dry paint sludge. The only other cleaning necessary is skimming large paint particles from the top of the trough water.

Other benefits include a healthier work environment and saving on water consumption since the water is recycled.

Source: Alfa Laval Separations, Warminster, Pennsylvania.

For more data circle 282 on Postpaid Card



***CLEANING out the spray booth is a simple chore now that a centrifugal sludge separation system (inset) is in place.***