



Pro Xpc Reduces Paint Usage 15%

CUSTOMER

Industrial Equipment Manufacturer

GRACO EQUIPMENT

Pro Xpc Automatic Electrostatic Spray Guns

CHALLENGE

While replacing robots used for painting topcoat, the paint line supervisor of an industrial equipment factory knew he needed to troubleshoot spray gun issues.

Their air assisted airless spray gun tips clogged an average of five times per day. This led to poor finish quality, rejected parts, more overspray, and unneeded downtime. As a result they had:

- Bad transfer efficiency
- Poor finish quality that led to higher rejected part rates
- Higher booth/ carrier cleanings and robot cover replacements due to over spray
- Approximately 30 minutes of downtime unclogging tips per day

The paint line supervisor previously tested a Graco automatic spray gun and was impressed with the finish quality. However, upper management felt it was too costly to switch because they were storing so many parts.

SOLUTION

Their local Graco account representative offered a solution that could eliminate spray tips all together. Pro Xpc Automatic Electrostatic Air Spray Guns do not even need spray tips because air spray technology uses a nozzle instead of a tip like the air assisted airless guns.

The Pro Xpc's air spray technology would provide a higher quality finish, better transfer efficiency and less downtime.

RESULTS

Mounting Pro Xpc Auto Electrostatic Air Spray Guns on the new robot immediately brought positive results:

- 15 percent reduction in paint usage with better transfer efficiency
- 50 percent reduction in paint defects. Their parts came out with a smoother finish and better appearance.
- Production increased with the 30 minutes of downtime per day eliminated for clogged tips and faster painting from a more efficient automatic spray system.
- Booth and carrier cleanings cut in half due to less overspray.
- Reduced robot cover use by over 300 per year.



For more information, contact us at 1-800-533-9655. Visit www.graco.com/ProXPC.

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