



TAKE CONTROL OF YOUR POWDER CLOUD... WITH GEMA.

Controlling your powder spray cloud is crucial to your powder coating process for many key reasons – one of them being **CONSISTENT THICKNESS**.

Consistent thickness is an observable indicator of how well a powder coating process is optimized. When powder is charged properly, delivered consistently, and directed accurately, the coating process becomes more repeatable – helping you improve quality, reduce waste, and control cost per part.

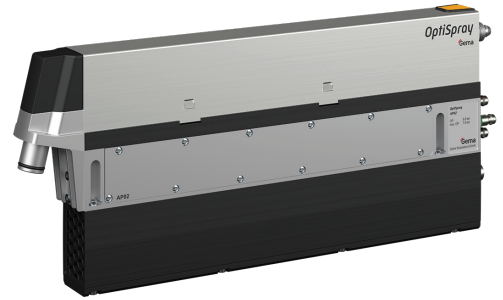
Powder coating thickness dictates a part's performance and appearance. If the coating is too thin or light, moisture and corrosive elements can reach the part surface. Applying too much powder causes orange peel texture and poor fitment. But more often, customer complaints happen due to too little coating and the resulting negative effects.

The goal is to apply the right amount of powder, in the right place, as consistently as possible. When the spray cloud is controlled, film build becomes more constantly efficient and predictable, overall coating quality improves, and your cost per part becomes easier to manage.



***ARE OPERATORS APPLYING EXTRA POWDER TO AVOID THIN SPOTS?
ARE YOU USING MORE POWDER THAN EXPECTED TO HIT SPEC?***

A controlled powder cloud performs with predictability from a consistent application process within your quality specifications. Find the ideal balance of getting your products done with consistent thickness while using the minimum amount of powder needed – controlling your powder cloud is the important key to achieving it.



- Precise Charge Control (PCC) technology and SuperCorona rings combine to optimize powder electrostatics and penetration to the grounded part surface.
- Venturi injectors and dense phase pumps smoothly deliver powder flow and output from hopper to spray gun for more reliable thickness.
- Digital Valve Control (DVC) technology regulates compressed airflow to the pump so that powder can be steadily and accurately delivered to the spray gun.
- Proper nozzle selection prevents uneven accumulation, ensures spray consistency across complex geometries, and eliminates defects like Faraday cage – while the wrong pattern may overbuild one area while undercoating another.
- Reciprocators make cloud control repeatable so, instead of relying on constant manual adjustment, the system applies powder when and where it's needed with predictable timing and movement.

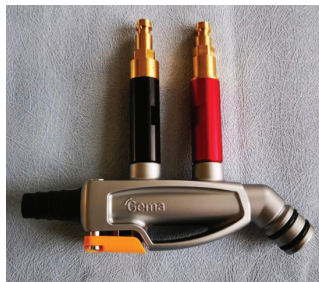


***ARE PARTS BEING REJECTED OR REWORKED AFTER INSPECTION?
WHAT DOES AN EXTRA MIL COST IN YOUR PROCESS?***

We're not just selling powder guns. We deliver systems and technologies that allow you to control the powder cloud. And when You Control the Cloud, you control the quality, time and cost of the finish.

You control the RESULTS.

- Higher first-pass production yield
- Reduced rework from imperfections or rejects
- Improved coating productivity and transfer efficiency
- Lower powder consumption
- More predictable production line process



Contact us at **877.437.6771** or **powdersales@gema.us.com**