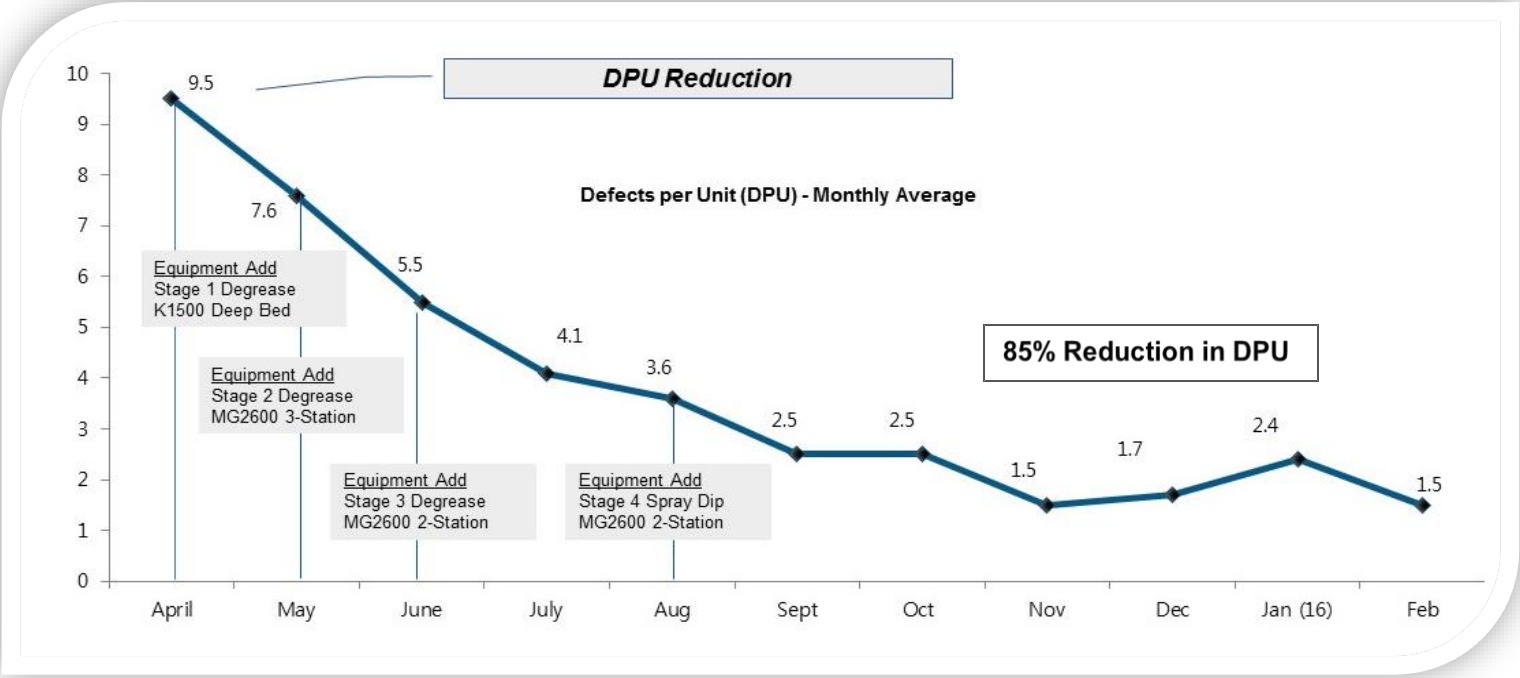
Automotive Manufacturer Implements Best Available Technology to Reduce E-Coat Hood DPU by 85%

The Most Advanced, Automatic, Non-Disposable Liquid Filtration System

ZERO GRAVITY FILTERS

Paint Pretreatment



Customer Challenge

The quality of the paint finish is one of the most critical aspects of the automotive manufacturing process. Finish quality and long-term corrosion protection impact JD Power ratings, warranty claims, and ultimately vehicle sales.

An automotive manufacturer determined it must keep the paint treatment system cleaner to produce higher quality vehicles.

Tramp metal contamination (steel fines, weld balls, etc.) is introduced into the paint shop from the body shop. The current filtration equipment could not effectively remove the metal fines and weld balls.

If not effectively removed, these metal contaminants can result as surface finish defect.

ZGF Solution

The weld balls and metal fines are dislodged and washed off the vehicle throughout the process. Therefore, ZGF Maggie was implemented in multiple stages to allow for capture and removal of contaminants as they washed off the vehicle.

Results

- **85% Reduction in Defects per Unit**
- Reduced Labor and Maintenance
- Reduced Total Operating Costs
- Improved Process Reliability & Quality