

Cleaning the hard to clean

Case Study

Change in Chemistry Provides Better Quality and Finish

The Challenge

A leading manufacturer in the shooting sports industry was struggling to maintain high-quality finishes and consistency as production demands increased. This challenge began to impact the appearance and reliability of their products, a critical factor in their industry. The company needed a solution to address these growing pains and improve their overall plating process.

The Approach

Hubbard-Hall stepped in with a hands-on approach, starting with a comprehensive assessment of the facility. The first step was to tackle the fundamentals: thoroughly cleaning and draining the process tanks. This critical reset helped extend the life of the chemistry and reduce contamination.

To address inconsistencies in product quality, Hubbard-Hall introduced enhanced cleaning chemistries and worked closely with the team to implement process controls. Training sessions were conducted to educate operators on best practices, including how to properly titrate and monitor the new chemistry. Additionally, pumps and equipment were optimized to ensure smooth operation and consistent results. The focus wasn't just on the chemistry but on creating a more efficient, sustainable, and controllable process.

Executive Summary

Hubbard-Hall improved plating quality and consistency for a shooting sports manufacturer through chemistry upgrades and process optimization.

- Improved product quality and finish to meet high industry standards.
- Implemented process controls and operator training for long-term success.
- Enhanced efficiency by eliminating contamination and optimizing chemistries.

The Outcome

The changes implemented by Hubbard-Hall led to dramatic improvements in both product quality and process consistency. The plating process now produces finishes that meet the high expectations of the shooting sports industry, ensuring that products look as good as they perform.

With a cleaner operation and better chemistry in place, the company also experienced reduced operational headaches and greater productivity. This partnership fostered a sense of collaboration, and the manufacturer noted a noticeable difference in the level of service and expertise compared to previous vendors.

"We've never experienced this level of service and support from our previous vendor. This has been a true collaboration, not simply a change in chemistry."

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Chemistry and Expertise for Manufacturing's Toughest Problems

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