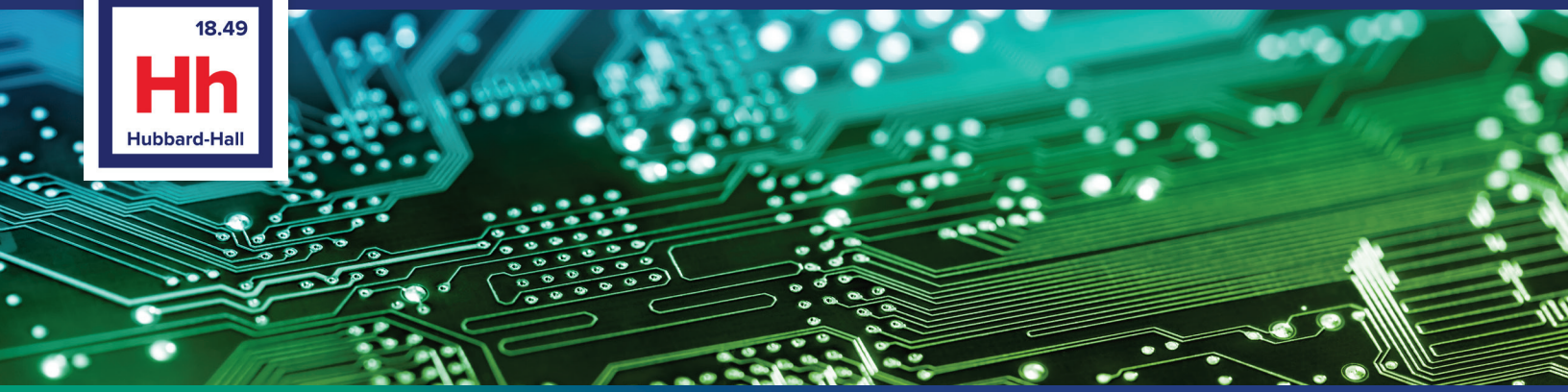


Streamlined Production Through Smarter Chemistry

The Challenge

A manufacturer of electrical components was bogged down by an outdated and labor-intensive process for preparing connectors for plating. Individually buffing each connector to remove scale consumed nearly 30 seconds per piece, adding up to significant manhours and slowing overall production. The process had become an inefficient bottleneck, prompting the company to seek a more effective solution.

The Approach

Hubbard-Hall began by conducting a comprehensive evaluation of the manufacturer's production workflow, focusing on the chemical processes and equipment used for preparing connectors for plating. The team identified that the manual buffing process was not only inefficient but also an unnecessary use of resources. Leveraging their expertise in surface finishing and chemistry, Hubbard-Hall proposed replacing the existing treatment method with a combination of **Laser P and Brite Dip 6**—two advanced bright dip products.

This solution was more than just a change in chemistry; it was a transformation of the entire process. The connectors were no longer treated individually but instead processed in large batches through a series of chemical tanks. This automated approach eliminated manual intervention while achieving a consistent, high-quality finish that prepared the parts for plating. Hubbard-Hall's team worked closely with the manufacturer to ensure a seamless implementation,

Executive Summary

A manufacturer of electrical components partnered with Hubbard-Hall to replace an outdated, labor-intensive process for plating preparation with a modern, efficient solution.

- Streamlined workflow with advanced bright dip chemistry.
- Freed up personnel for higher-value tasks.
- Achieved exponential growth in production capacity.

providing guidance on dosing, tank setup, and process optimization to maximize efficiency and results.

The Outcome

The introduction of **Laser P and Brite Dip 6** created a ripple effect of positive changes. Manhours were significantly reduced, freeing up personnel to focus on more value-driven tasks. The production capacity increased exponentially, allowing a greater volume of connectors to move seamlessly into the plating process. With a simple yet strategic change in chemistry, the company achieved transformative results, reinforcing the power of innovation in improving efficiency and reducing costs.

> "Countless manhours have been saved, personnel freed up to focus on more productive activities, while the volume of connectors entering the plating process has grown exponentially. A big impact for a simple change in chemistry."

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