Cleaning
the Hard to Clean

Manufacturers who adhere to strict cleaning processes have 40% fewer defects due to poor cleaning. Our experts can show you a choice for every challenge – aqueous or solvent. Learn how reducing rework and rejects and improving your cleaning process can reduce chemical consumption and complexity while having lasting effects on your wastewater treatment.

Solvent alternatives: Don't let your process lines go down

From supply chain issues and facility shutdowns to increasing regulatory constraints and environmental concerns, learn about the current situation and what that means for your business. Hubbard-Hall experts will discuss the current situation with every type of solvent and future regulations and what that means for your business—plus, our experts will share their position on what this means for manufacturing in the future. Learn:

- What your options are.
- How to maintain chemistry: reclaim solvent and aqueous cleaners.
- How to maintain equipment: check monthly and clean often.
- About replacing your chemistry: non-halogenated solvents, fluorinated solvent blends, modified alcohols, or aqueous cleaning.

The real cost of parts cleaning

Soils and contaminates are notoriously difficult to remove from drawn and formed metal parts. If not removed properly, they can cause downstream contamination, rework, downtime, and customer rejects. But companies have different attitudes toward cleaning costs, risks, and impact. Learn:

- How attitudes about cleaning relate to quality yield.
- How quality yield relates to what a shop spends on cleaning and its profit margins.
- How the hidden cost of not cleaning properly can far outweigh the initial cleaning cost.
- Tips on building a cleaning process to improve quality, yield, and the bottom line.

Aqueous cleaning 101

For decades, aqueous cleaners have been widely used. Understand and appreciate the basics of water-based parts cleaning from the best in the business. A high-end overview of aqueous cleaning processes and technology that extend the life of cleaners, including a membrane technology that results in a 95% reclaim efficiency. Learn:

- What applications benefit from aqueous cleaning.
- How you can improve your current process in just a few steps.
- About the environmental, health and safety impact.
- How to reduce your total chemical cost.

Overcoming the challenges of cleaning aluminum

Cleaning aluminum is far different and more challenging than cleaning stainless steel due to its short supply and difficulty to clean safely. Metal finishers worry about over-etching, difficult stains and damaging expensive aluminum. We cover the basic principles that make aluminum unique, cleaners that remove stubborn contaminants and case studies on how to reduce the cost, complexity, and chemical consumption of cleaning aluminum. Learn:

- How is the aluminum being used? Will a caustic soda-based cleaner impact this?
- To identify the contaminant you are trying to remove.
- Why over-etching aluminum is a concern.
- The benefits of post-cleaning waste treatment.

Have you considered how chemical paint stripping can cut costs, improve quality, and boost capacity?

It is generally accepted that paint and powder coating processes suffer from the overspray that builds up on hooks, racks, and hangers. Consequences include a drop in electrical conductivity, which reduces coating adhesion, and results in a poor visual appearance. The solution is to remove the build-up as often as possible, but that's something many coaters find hard and expensive. Chipping, burning, and blasting the excess buildup of paint and powder are slow, labor-intensive processes that end up damaging and adding to the repair cost for hooks and racks. Learn:

- Which process is best for you.
- What happens to coating that's been removed.
- What the key benefits from moving away from chipping, burning, and blasting are.
- How has this worked for other companies like you.

What if you could reuse your masking materials and see savings as high as 85% per year?

Many companies spend considerable amount of money on caps, plugs and masking materials to just discard them. Why not recycle and reuse them to increase the lifespan, save time and money while increasing sustainability? Hubbard-Hall customers agree that implementing the right process to reuse their masking plugs allows them to save money, improve profitability and satisfy the need for environmental and most importantly economic sustainability. Learn:

- The benefits of reusing your masking materials.
- How non-hazardous solvents allow for a safer work environment.
- Why biodegradable is for easier waste treatment.
- Strip masking materials, increase the life span… and produce less waste.

ABC's of phosphate free

Phosphate conversion coatings on metals are used to impart corrosion resistance and lubricity and serve as a base layer. Accordingly, phosphates in process wastewater can produce serious problems in the environment. There are options available to remove phosphates safely and stay within EPA Guidelines. Learn:

- How Zirconium coatings are the next generation of pre-paint chemistries.
- The benefits of being phosphate free.
- What is required to improve your process.
- The long-term effects of Zirconium coatings.