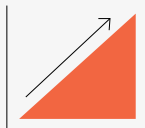


# Better process. Superior result.

A release agent unleashed the potential of an automotive supplier.

## INCREASED PRODUCT QUALITY



Better detail, more consistent result.

## DRASTICALLY REDUCED CLEANING CYCLES



Allowing for higher productivity and efficiency.

### WHAT WE ACHIEVED.

Chem-Trend is aggressively focused on helping our clients achieve exceptional outcomes. This is carried out in multiple ways:

- Helping produce a better product initially
- Helping produce a better product over time
- Extending the life of molds and equipment
- Improving cycle times and cleaning needs/maintenance

Through a hands-on process with collaborative testing, we were able to solve all of our aggressive goals with a manufacturer of automotive clutches. Below, you'll see images that display wear following their previous process versus our new process after the exact same number of cycles.



Using a competitive release agent



Using Chem-Trend® PH-3073W

### HOW WE GOT THERE.

Working with an automotive parts manufacturer in Asia, Chem-Trend team members were able to analyze current products, processes, and pain points. What we found was a

product that, over time, created significant buildup.

This release product created issues ranging from difficult cleaning cycles to increased labor. Formulation of a new product required iterations before we were able to achieve an improved, repeatable, and sustainable result.

This game-changing water-based solution improves part quality, protects tooling investments, and maximizes operational productivity for customers.

Through Chem-Trend's acquisition of Huron Technologies, additional product technology, manufacturing, and process know-how were combined with Chem-Trend's breadth of release agent technologies. These shared assets enabled Chem-Trend's engineers to accelerate the development of highly advanced products for the molding of friction components.

### OUR SOLUTION.

This drastic difference is the result of our dedicated research and development teams that were able to produce a superior product. Not only does it achieve remarkable results, but it can do so with the potential of using less release agent per part produced. Chem-Trend is now positioned as the gold standard for the production of molded friction components, such as clutches and brakes.



### HANDPRINT IMPACT

At Chem-Trend, we pride ourselves on our long history of sustainability efforts. However, it is our effect on our customers' processes that provides the greatest impact. It goes beyond our global Footprint; it is our even wider Handprint.

#### Here, we achieved the following:

- Reduced cleaning needs, leading to reduced waste
- Greater product quality, leading to reduced scrap rate
- Extending the life of molds requires fewer material needs over time
- Fewer cleanings and reduced need for new molds saves transportation and shipping needs