

**PROTECT YOUR PRODUCTION.**  
**GO BEYOND.**



## **ASHBURN CHEMICAL** **TECHNOLOGIES**

Ashburn Chemical Technologies brings advanced fluid products and services to industrial manufacturing companies to cost-effectively protect operational production, product quality, tooling, machinery, the operator environment and your satisfaction.



[ashburnchemical.com](http://ashburnchemical.com)



832-399-1000

# PRODUCTION PROTECTION.



## FLUID360™ SOLUTIONS

The industry's most comprehensive fluid products and services delivering 360° of metalworking protection, safety and speed to production, tooling, people, metals and work environments, since 1968.

## ASHBURN CHEMICAL

Ashburn Chemical is the industry leader in delivering metalworking fluid products and services to protect equipment, people, production quality and working environments.

Create a production advantage, grow customer and operator satisfaction and loyalty, easily maintain environmental quality and operate smarter than ever before.

**Cut:** Protect production and product quality with advanced coolants, metal forming fluids, straight cutting oils and tapping and drilling fluids that meet the most stringent environmental requirements.

**Clean:** Optimize cleaning and degreasing of parts, machine tools, equipment and working environments.

**Protect:** Protect metal products with rust preventatives, penetrating oils and lubricants to preserve utility and value.

## 360° OF PRODUCTION PROTECTION. PERIOD.

Metal Cutting Fluids  
Metal Forming Fluids



**CUT360**

Cleaners and  
Degreasers



**CLEAN360**

Rust Preventatives  
and Lubricants



**PROTECT360**

**FLUIDCARE SERVICES** On-site Fluid Monitoring and Management

**EQUIPCARE SERVICES** On-site Equipment and Facility Cleaning Services

**FLUIDVISION SERVICES** On-site Fluid Insight and Optimization

**WHY SETTLE FOR COMMODITY METALWORKING FLUIDS?**  
**YOU CAN HAVE 360° OF PRODUCTION PROTECTION.**



**PROTECTION. SAFETY. QUALITY.**  
**GO BEYOND.**



## **WHY ASHBURN CHEMICAL?**

Ashburn Chemical Technologies is the proven leader in protecting production, machine tools, people, metals and the environment through proven chemistry and customer partnership.

Our customers extend their tool life, have cleaner sumps, grow operator satisfaction, increase production and quality, and keep environments safe. Our customers consistently deliver a better experience and product to their customers.

So can you.



[ashburnchemical.com](http://ashburnchemical.com)



832-399-1000

# PROTECTION. SAFETY. SPEED.



## WHY CHOOSE ASHBURN?

**Create a production edge:** Increase tool life, grow operational efficiency, minimize downtime, get the job done faster and more predictably.

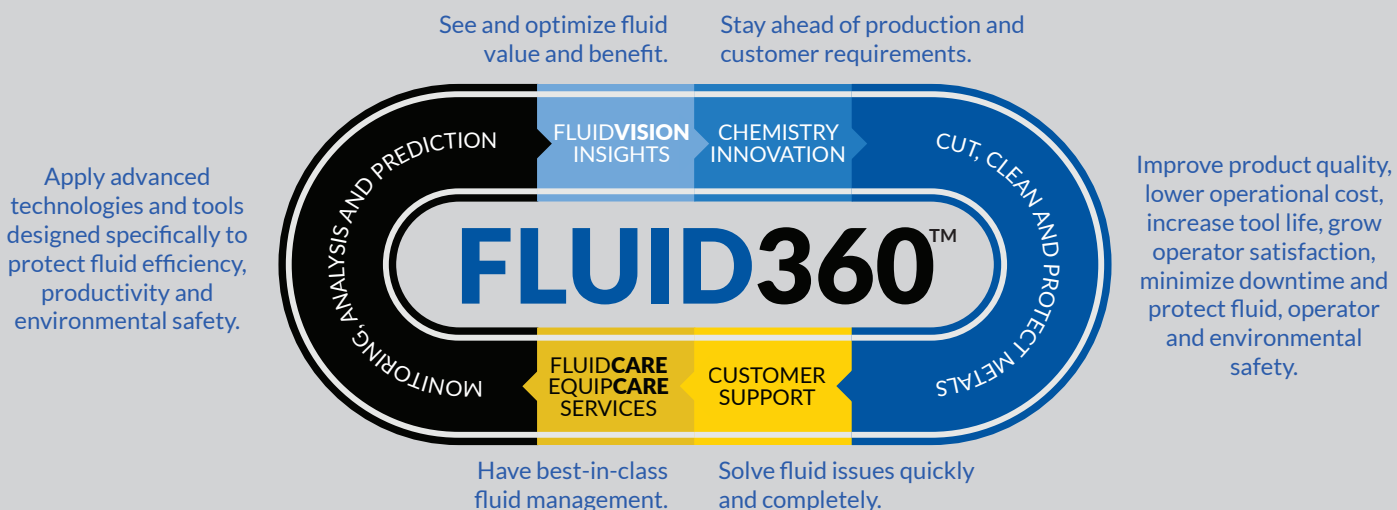
**Protect the business:** Have cleaner machine tools, sumps and workspaces, increase operator safety and meet regulatory requirements.

**Grow customer satisfaction and loyalty:** Produce and deliver a higher quality product, more quickly and cost effectively than ever before.

**Have a smarter operating environment:** Better decisions based on information, analytics and insight designed to drive performance and safety.

## FLUID360™ SOLUTIONS

The industry's most comprehensive fluid products and services delivering 360° of metalworking protection, safety and speed to production, tooling, people, metals and work environments, since 1968.



GET BEYOND ORDINARY METALWORKING FLUID SOLUTIONS.  
PUT ASHBURN AND FLUID360 ON YOUR NEXT PROJECT.



# ADVANTAGE.

## **FLUID360™** **SOLUTIONS**

For metalworking businesses, FLUID360 Solutions delivers production advantage through protecting metals, machine tools, people, production and work environments.



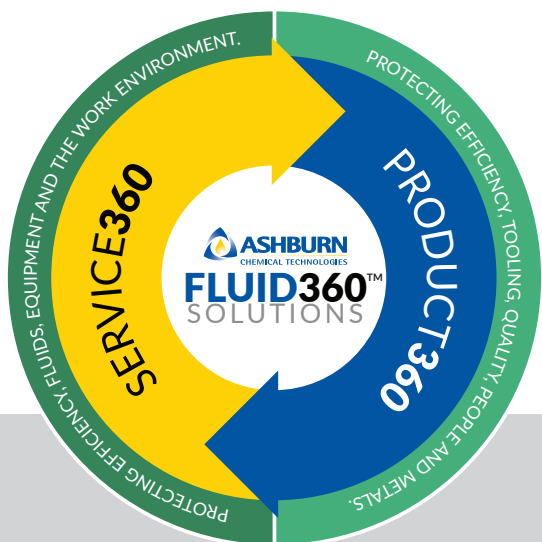
[ashburnchemical.com](http://ashburnchemical.com)



832-399-1000

# PRODUCTION ADVANTAGE.

## 360° OF METALWORKING PRODUCTION ADVANTAGE.

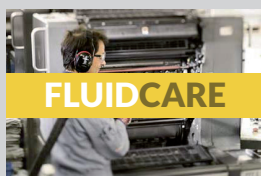


**FLUID360 SOLUTIONS:** In a world of production and material complexity and shifting customer expectation, **FLUID360** is the industry's only solution that protects production capability and output by delivering greater efficiency and effectiveness.

**PRODUCT360:** Products for cutting, cleaning, and protecting metal. Designed and engineered to maximize production efficiency by protecting tooling, product quality, and operator environment.

**SERVICE360:** Engineered services that optimize efficiency of metalworking fluids, equipment and work environments.

## COMPREHENSIVE PROTECTION.



Onsite Fluid  
Management Services



Fluid Performance  
Reporting and Management



Metal Cutting Fluids



Cleaners and  
Degreasers



Onsite Equipment and  
Facility Cleaning Services



Rust Preventatives  
and Lubricants

**360° OF PRODUCTION PROTECTION FOR:**  
ENERGY | AUTOMOTIVE | AEROSPACE & DEFENSE | REMANUFACTURING  
TRANSPORTATION | CONSTRUCTION & HEAVY EQUIPMENT



# CUTTING.

## CUT360

Protecting your cut, product quality, tooling and production through industry leading coolants, cutting oils, lubricants, tapping and drilling fluids, metal forming fluids.



[ashburnchemical.com](http://ashburnchemical.com)



832-399-1000

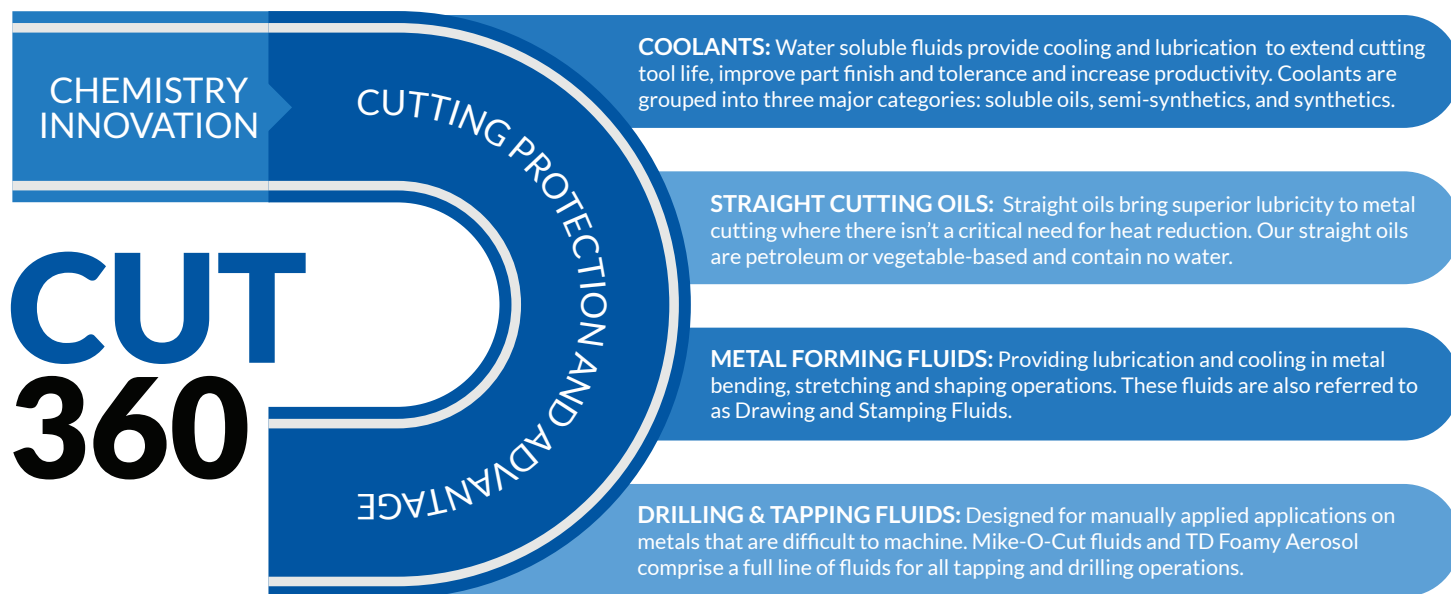
# CUT PROTECTION.

## 360° OF METAL CUTTING PRODUCTION ADVANTAGE.



Protect production and product quality with advanced coolants, metal forming fluids, straight cutting oils and tapping and drilling fluids that meet the most stringent environmental requirements.

## ONE-STOP SHOP FOR ALL CUTTING FLUIDS



Ashburn Chemical Technologies has over 50 years of innovative chemistry and close customer partnerships that have consistently led to superior cutting fluid solutions. These solutions have protected machine tools, equipment, product quality, production, operator safety and environment, and the overall manufacturing experience.

Get beyond ordinary and commodity cutting solutions and move your production and business forward.

## 360° OF PRODUCTION CUTTING PROTECTION



7403 Wright Road, Houston, TX 77041 | 832-399-1000  
ashburnchemical.com | sales@ashburnchemical.com



# CLEANING.

## CLEAN360

Metal cleaning innovations and products that protect productivity, product quality, people, work environments and customer satisfaction.



[ashburnchemical.com](http://ashburnchemical.com)



832-399-1000

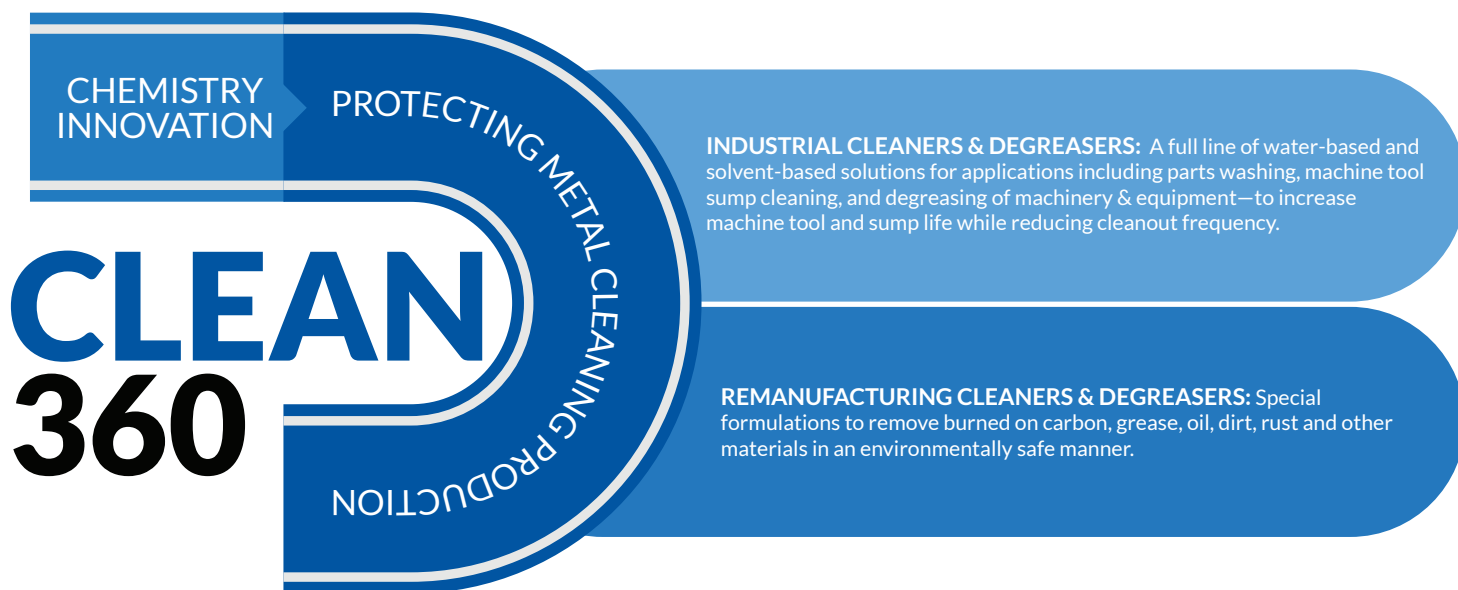
# CLEANING PROTECTION.

## 360° OF METAL CLEANING PRODUCTION ADVANTAGE.



Optimizing cleaning and degreasing of parts, machine tools, equipment and facilities with innovative and proven water based, solvent based, biodegradable and synthetic cleaners and degreasers.

## A SINGLE SOURCE FOR CONSISTENT METAL CLEANING SUCCESS



Ashburn Chemical Technologies has over 50 years of partnership in protecting the production, product quality, people, work environments and customer experience for metalworking and remanufacturing operations and businesses.

Go beyond standard, ordinary metal cleaning solutions and deliver superior products and customer experiences.

## 360° OF METAL CLEANING PROTECTION



# SAFEGUARD.

## PROTECT360

Metal protection products that preserves value, appearance and utility during production, transportation and storage by inhibiting or removing corrosion—indoors and outdoors.

**PROTECT360** safeguards your product while improving your customer's experience.



# PRESERVING VALUE.

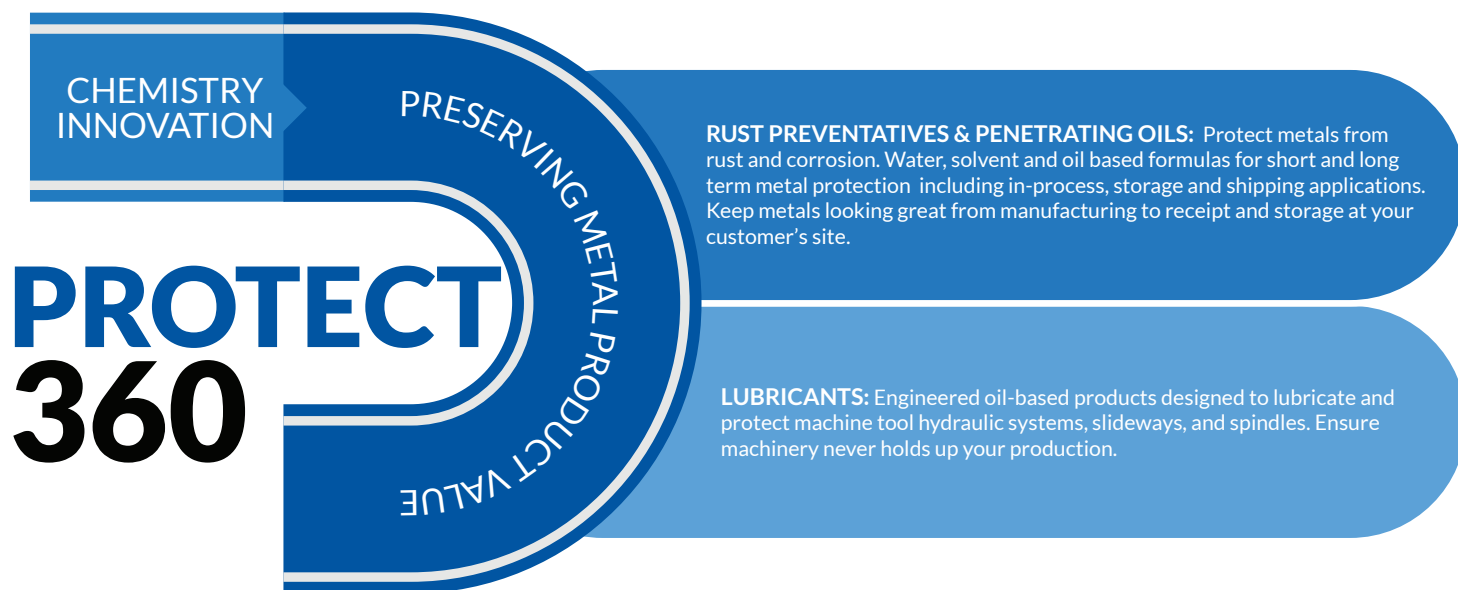
## 360° OF METAL PRODUCT PROTECTION ADVANTAGE.



You've made a great product for your customer. Now you need to preserve its value by protecting from the inevitable effects of corrosion.

Ashburn preserves that value.

## A SINGLE SOURCE FOR CONSISTENT METAL PROTECTION SUCCESS



Ashburn Chemical Technologies has over 50 years of partnerships in protecting the production, product quality, people, work environments and customer experience for metalworking and remanufacturing businesses.

Go beyond standard, ordinary metal protecting solutions and deliver superior products and customer experiences.

## 360° OF METAL PRODUCT VALUE PROTECTION



# CLEANING.

## EQUIPCARE

Keeping machine tools at their best and lowering cost by reducing or eliminating common production problems due to unplanned maintenance and to inefficient work environments.



# MACHINE CLEANING

## 360° OF METAL WORKING MACHINE TOOL RENEWAL.

Machine tools can make or break your production environments ability to make great products. Keeping your machines in top condition contributes to a better work environment, higher product quality and lower cost of business. Dirty equipment can lead to unplanned downtime and production interruption.

Don't let this happen to you. Keep your machinery performing at its best, all the time.

## KEEP YOUR PRODUCTION ENVIRONMENT OPERATING SMOOTHLY.

Ashburn Chemical Technologies offers specialized machine cleaning services to protect your production from unnecessary delays or downtime due to coolant contamination, chip interference, dirt and grime buildup and biological contaminant hazards.



### LEVEL I

- Remove coolant from sump
- Provide a minimal rinse within the machine
- Recharge system with coolant to desired concentration

### LEVEL II

- Includes all Level I tasks, plus:
  - + Clean all coolant contact areas such as sump, conveyor panels, pumps and machining areas (conveyor removal as needed)
  - + Comprehensive rinse within machine
  - + Apply disinfectants, rust and bio inhibitors

### LEVEL III

- Includes all Level I-II tasks, plus:
  - + External visual cleaning (includes clean/degrease of machine exterior)

### LEVEL IV

- Includes all Level I-III tasks, plus:
  - + Detailed external cleaning and machine prep
  - + Professional, like-new painting

**360° of Production Machine Protection that Stops Problems Before They Occur.**

**HAVE PRODUCTION PREDICTABILITY. INCREASE OPERATOR SATISFACTION.  
MAINTAIN PRODUCT QUALITY AND CUSTOMER SATISFACTION.**



# RECHARGE.

## FLUIDCARE

Keeping fluids at their best and lowering cost by protecting your production from interruption due to unnecessary machine maintenance, tool failure and dirty work environments.



[ashburnchemical.com](http://ashburnchemical.com)



832-399-1000

# FLUID MAINTENANCE.

## 360° OF METAL WORKING FLUID MAINTENANCE.

Fluids are integral to your ability to create quality, precision product for your customer in a timely and cost effective manner. Dirty fluids can lead to machine failure, unplanned downtime and production interruption.

Don't let this happen to you. Keep fluids always performing at their best. And save money at the same time!

## KEEP YOUR PRODUCTION ENVIRONMENT OPERATING SMOOTHLY.

Ashburn Chemical Technologies offers unique, on-site service to protect your production from unnecessary delays and high-cost maintenance due to coolant contamination, chip interference, dirt and grime buildup and biological contaminant hazards.

Operational protection through custom fluid maintenance programs designed to meet your unique needs.



On-site Fluid Monitoring, Lab Analysis  
and Performance Prediction

### CUSTOM FLUID MAINTENANCE PROGRAMS

- Coolant Evaluation and Laboratory Analysis
- Sump Out and Recharge Options
- Optional Coolant and Additive Products
- Mechanical & Chemical Coolant Treatments
- Scheduled Coolant & Sump Filtration

### ON-SITE FLUID AUDITS & CONSULTING

- Proper Coolant Application
- Maintenance Processes & Procedures
- Coolant Equipment & Recycling Performance
- Cost Analysis & Recommendations
- Equipment & Integration Recommendations

### INDUSTRY LEADING FLUID CONSULTING

- Fluid Maintenance Training
- Coolant Technician Certification Training
- Customized Fluid Maintenance Training
- Equipment & Integration Recommendations

**360° of Fluid Protection that Stops Problems Before They Occur.**

**PRODUCTION FLUIDS DON'T TAKE CARE OF THEMSELVES. OPERATORS DON'T TAKE CARE OF FLUIDS LIKE THEY SHOULD. WHAT ARE YOU GOING TO DO?**



# OPTIMIZATION.

## FLUIDVISION

Fluid performance analytics, optimization and prediction to protect your production capability, operator safety, product quality and plant environment.



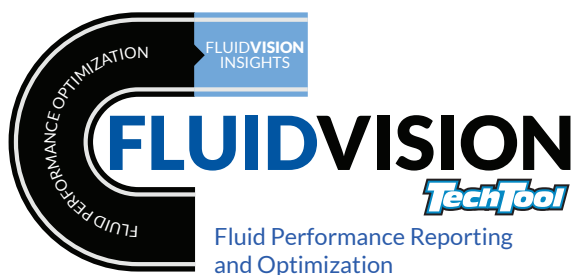
# FLUID OPTIMIZATION.

## 360° OF METALWORKING FLUID OPTIMIZATION AND PREDICTION.

Fluids that cut, clean and protect metals are a key ingredient to your business and the ability to deliver a quality product, safely. Poor or wrong fluid application can negatively impact your production environment.

Make sure your fluid investment is optimized and that you're able to predict problems before they occur to increase operator safety, protect your production environment and lower your cost of business.

**OPTIMIZE FLUID PERFORMANCE, SEE PROBLEMS BEFORE THEY HAPPEN  
AND ACHIEVE NEW LEVELS OF PRODUCTIVITY.**



**TechTool**

Keep track of fluid condition, consumption and performance. Have objective reporting with recommendations.

Optimize fluid performance to keep your production at its best.

Predict fluid failure before it happens

A screenshot of the FluidVision TechTool mobile app. The interface shows a sidebar menu on the left with icons for 'Main', 'Usage', 'History', 'Forms', and 'Profile'. The main screen is titled 'Add Fluid Log' and 'Save'. It contains a 'Technical Details' section with various input fields: 'Fluid Product' (dropdown), 'Cutting Fluid' (text), 'BRIX Factor' (text), 'Min Brix' (text), 'Max Brix' (text), 'Target Brix' (text), 'Initial Refract' (text), 'Gallons Added' (text), 'Gallons' (text), 'Conc of Premix' (dropdown), 'pH' (text), and 'Visual Tramp Oil' (checkboxes for Yes/No).

**FLUID FAILURE IS COSTLY. USING THE WRONG FLUID IS COSTLY. BOTH IMPACT  
PRODUCTION PERFORMANCE. DON'T LET THIS HAPPEN TO YOU.**



# PROTECT YOUR PRODUCTION. VALUE SPECTRUM



Chemistry Innovation	Metal Cutting Fluids	Metal Cleaning Products	Metal Protection Products	Comprehensive Customer Support	Fluid Management	Environment Management	Environment Optimization
Collaborative Innovation	Water Soluble Coolants	Reman Cleaners and Degreasers	Rust Preventatives	Onsite Customer Support	Onsite Coolant Evaluation	Onsite Fluid Cleaning	Environment Consulting
Advanced Chemistry Testing	Straight Cutting Oils	Machine Tool Sump Cleaners	Penetrating Oils	Laboratory Customer Support	Onsite Fluid Audits	Onsite Equipment Cleaning	Fluid Application Recommendation
New Product Innovation	Micro Lubricants	Industrial Cleaners	Way Oil Lubricants		Fluid Consulting	Fluid & Sump Cleaning	Fluid Certification Training
	Tapping & Drilling Fluids	Construction Cleaners	Hydraulic Oil		Fluid Maintenance Programs		
	Drawing, Stamping and Punching Fluids		Moly Lubricants		Fluid Maintenance Training		

