

# Tri-Kote™ Lubricant



Delivers the **Best Gripping Force**

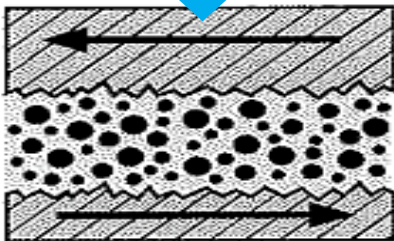
# NEW Tri-Kote Lubricant

## Common Lubricants Will Not Perform Properly & Shorten the Life of Your Equipment

Companies often try to standardize on basic lubricants in their machine shop operations to simplify ordering and save a few bucks. While this might seem like good idea, it is an absolute disastrous decision for chucks. Common lithium-based greases are not engineered or designed to withstand the immense friction caused by machining parts. Tri-Kote is a solid barrier lubricant, specifically engineered by Kitagawa NorthTech for this application only and will dramatically improve performance and extend the life of machining equipment by up to 200%.

### HYDRODYNAMIC LUBRICATION

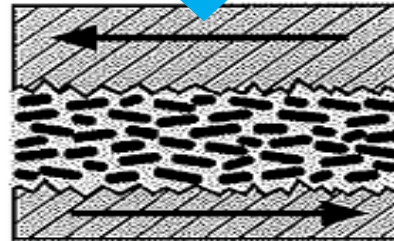
EXTREME LOADS



Liquid Lubricant Film

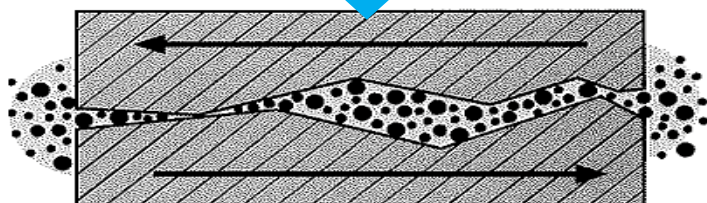
### BOUNDARY LUBRICATION

EXTREME LOADS



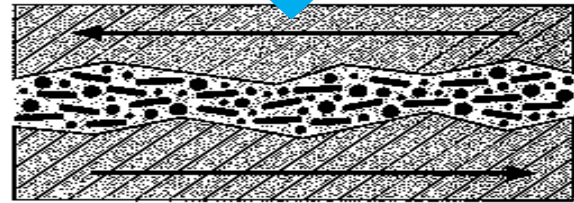
Solid Lubricant Film

EXTREME LOADS



Liquid Lubricant

EXTREME LOADS



Solid Lubricant

# Formulated & Recommended by the Experts in Workholding for Over 70 Years



**NEW Tri-Kote™ Lubricant**

# Features and Benefits for the **NEW Tri-Kote Lubricant**

## **Proper Usage of Grease Increases Gripping Force by 30-60%**

Not using any grease to lubricate your chucks reduces gripping force by at least 30%. Infrequent usage of grease can reduce performance by another 30%. The bottom line is to optimize machining performance and productivity, you need to use grease - and it needs to be Tri-Kote: the "right grease" for lubricating chucks.

## **Faster Cycle Times & Throughput by Up to 200%**

When parts slip in the chuck everything slows down. By using Tri-Kote lubricant, machine shop managers have more confidence with their operations. Knowing their workpieces are held securely, they can optimize machining speeds. Running machine tools at maximum operating speeds results in faster cycle times and greater productivity and efficiency.

## **Higher Worker Safety & Improved Productivity**

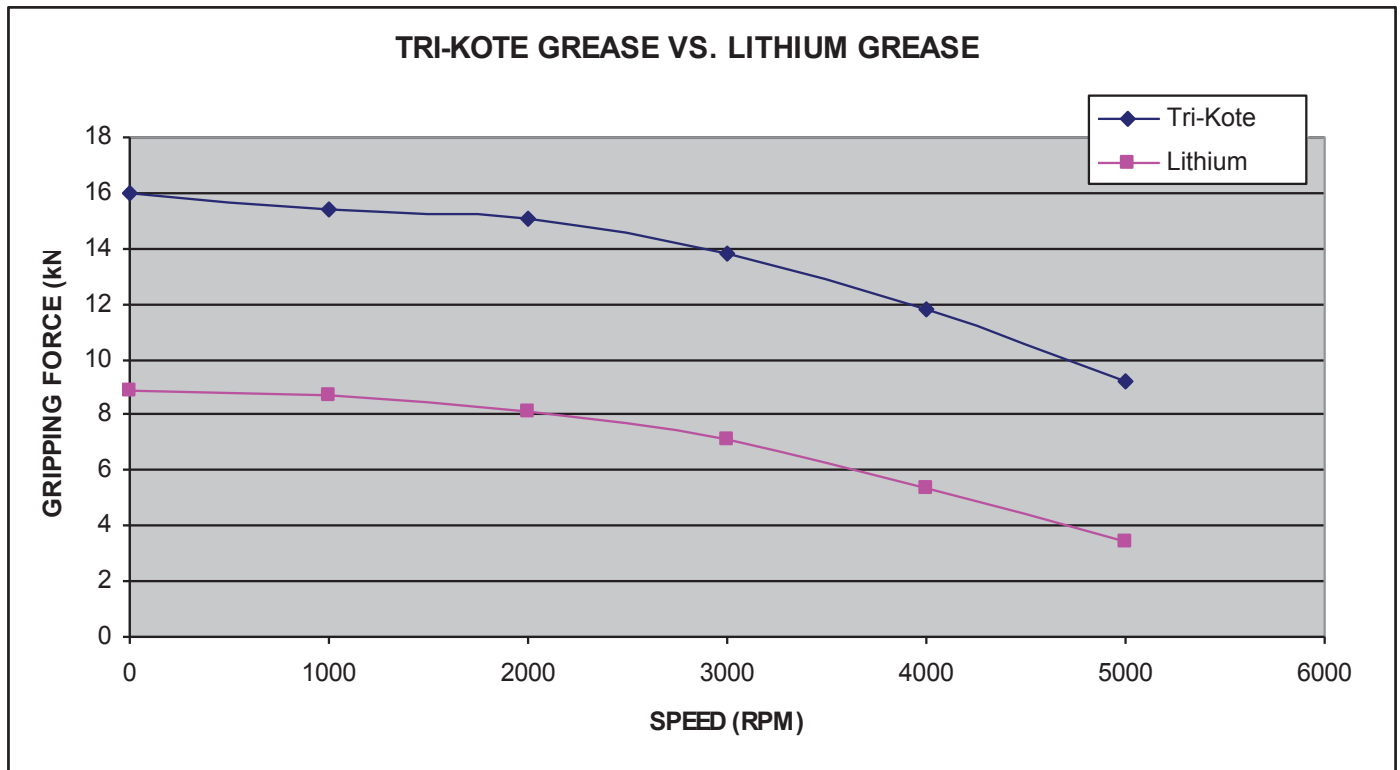
Worker safety should be the #1 goal at every industrial facility. Workpieces coming loose due to reduced gripping force poses tremendous safety hazards to employees. Tri-Kote helps machine shops provide a much safer and more productive environment for operators by reducing the possibility of machine malfunctions due to improper use or lack of lubrication.

## **Reduces Maintenance & Service Costs While Improving Uptime**

The proper usage and application of Tri-Kote grease, engineered specifically for chucks, will reduce wear and tear caused by the natural frictional elements and centrifugal force of machining workpieces. Reducing maintenance and services costs will result in higher uptime, higher reliability and higher OEE thereby increasing the profitability of your operation.



## Tri-Kote Lubricant vs Lithium Grease in Gripping Force Comparison



Standard lithium grease is not designed for lubricating chucks on machine tool equipment. In this side-by-side Gripping Force comparison its performance is inferior to Tri-Kote lubricant, which is designed and recommended for Kitagawa Chucks.

- At 5000 RPM, Tri-Kote Grease has more grip force than standard lithium grease has at 0 RPM.
- Tri-Kote has at least 1.5x the gripping force of standard Lithium grease
- Utilizing Tri-Kote grease can triple service life



*It is highly recommended to grease your chucks regularly with Tri-Kote lubricant for the best performance, reliability and longevity of your equipment.*



## The Proof is In the Grease

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*Customers are sometimes skeptical about the importance of using the right grease for lubricating their chucks – until they see it for themselves and learn about the incredible performance of Tri-Kote lubricant from Kitagawa NorthTech, Inc. The right grease for the job.*



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