

### THE PROCESS

Pioneer's high quality dry film lubricant covers the surface with solid, long lasting lubricating film that is capable of withstanding load and environmental extremes.

Under normal conditions, conventional (wet) lubricants are usually adequate for keeping sliding surfaces apart. Under extreme loads and temperatures, they break down and permit surface to surface contact. Pioneer Metal Finishing's dry film lubricant fills all surface voids and depressions, covering it with film capable of withstanding load and environmental extremes.

### THE OVERVIEW

#### DRY FILM LUBRICANT

Dry film lubricants, also known as solid film lubricants, provide a lubricating film and are intended for dry, low friction coatings to reduce wear, prevent galling and seizure and inhibit fretting corrosion.

Solid film lubricants have a wide and useful temperature range from 350° F to over 1000° F and their load carrying ability is high. Solid films can conduct electricity or be used as insulators. They are clean lubricants, do not attract dust or dirt, and are not diluted or washed from surfaces by water. Also, dry film lubricants are virtually unaffected by solvents, acids, oils, degreasers, aviation fuel and hydraulic fluid.

[CLICK HERE TO VIEW IMAGES OF THIS PROCESS](#)

#### RECEPTIVE METALS

Aluminum Alloys    Stainless Steel  
Steel                    Brass

#### THICKNESS

.0001 - .001"

#### MAX PART SIZE

152" X 52" x 28"

#### SPECIFICATIONS

MIL-L-0046010E

#### PERFORMANCE BENEFITS

Corrosion Protection  
Extended Wear  
Decreased Friction  
Increased Release Properties



PRINT PRINTER FRIENDLY PDF



CONTACT A REPRESENTATIVE ABOUT THIS SERVICE

**FOR OTHER PIONEER FINISHING SOLUTIONS VISIT**

**WWW.PIONEERMETAL.COM**

METAL FINISHING