

· ISOTROPIC SUPERFINISHING PROCESS (ISF)

for less friction between the gears, reducing wear.

BENEFITS:

- Reduced maintenance costs
- Increased durability and lifespan
- Improving corrosion resistance
- Reduces the rolling and running noises of gears
- Reductions to friction, operating temperature, and vibration/noise; increases in efficiency, load-carrying capacity, contact fatigue resistance, and bending fatigue resistance; and reductions in lubricant needs.

Super finishing increases performance, efficiency and the life of metal to metal contact components in vehicles.

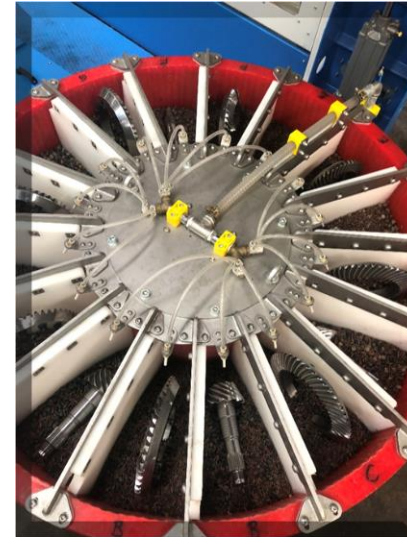
Motorsport parts experience high temperatures and friction as a result of high speeds under high torque requirements. Super finishing creates a smooth but crosshatched micro-textured surface that withstands harsh conditions and drives performance.

This process will increase fuel and operating efficiency, eliminate break-in requirements and reduce operating temperatures to help parts last considerably longer than standard components.

PERFORMANCE BENEFITS:

Reduced friction

Reduced wear



- Reduced lubrication requirements & costs
- Reduced contact & bending fatigue
- Reduced vibration & noise
- Reduced applied torque requirements
- Increased part durability
- Improved oil retention
- Improved pitting resistance
- Thinner oils can be used
- Produces a uniform & superior surface finish



Additional advantages of friction reduction:

- Increased fuel and energy economy
- Increased power density
- Reduced maintenance costs
- Reduced metal debris in oils
- Reduced part failures & overheating
- Lowered operating temperature
- Extended component life & mean time between maintenance
- Eliminate break-in



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