

## Deep Cryogenic Treatment at -320° F Solves These Problems:

**HIGH ABRASIVE WEAR** in cutting tools, molds, dies, bearings, etc...



Aircraft maker reduced aircraft length drill usage by 50%

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**HIGH EROSIVE WEAR** from wind, water and other abrasive grit carriers.



Treated components used in sour oil wells lasted five times longer.

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**DISTORTIONS** induced by design, forming, machining or environment.



Reduced distortions in electronic mountings to almost zero.

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**STRESS RELIEF** in complex tools, components and welds.



Reduces catastrophic features in tungsten carbide tooling.

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**STRESS RELIEF CRACKING** of weld zones in corrosive atmospheres.



Eliminated weld zone failures in parts used in corrosive oil wells.

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**SURFACE FINISH** in any application where long life is needed.



A2 Rc 60-62 die, micro-polished, outlasted nitrided one by 2 to 1

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**STABILIZATION** in parts and components as a result of stresses.



High stability reduced thin wall casting losses from 32% to 5%

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**MACHINABILITY** in aluminum and copper parts.



Reduced machining time of thin wall aluminum casting by 50%.

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**ELECTRODE LIFE** in copper resistance welding electrodes (Type 1,2,3,4,11 and 13)



Electronics' manufacturer gets 600% improvement with Class 3 electrodes.

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