

Controlled deep
cryogenic treatment
of metal components
and some plastics can
dramatically improve
the performance of
parts and equipment,
reducing maintenance
costs, and more!

Contact us today
to find out how
cryogenic technology
can work for you,
your business, and
your bottom line.

www.coldshotcryo.com

info@coldshotcryo.com

201 - 3908 82 Avenue
Leduc, AB T9E 8M4

1.888.646.6757



COLD SHOT CRYO
CRYOGENICS TECHNOLOGY

CRYOGENIC PROCESSING

WHAT IS IT

Cryogenic Processing is the process of cooling components gradually down to -301 degrees F and lower, and holding that temperature for a programmed amount of time. Once "soaking" is done the temperature of the part is gradually raised to room temperature, and sometimes above, to finish the process.

APPLICATIONS

Valve springs, brake rotors, molds, forms, dies, tools, engines, driveline parts, gears, grinding wheels, hobs, blades, gages, boat propellers, boat engines, electronics, musical instruments, and any moving part that would benefit from increased corrosion, abrasion, and/or fatigue resistance, including some plastics and polymers.

END RESULTS

- permanent one-time process
- corrosion inhibition
- cycle fatigue enhancement
- enhanced machinability
- abrasive wear resistance
- reduced heat transmission
- stress and relief stabilization

Getting 2-6 times the life out of anything is considered a huge success by any measure!

HOW IT WORKS

Deep Cryogenic Treatment (DCT) permanently refines the grain structure of metals, alloys, and other materials at the atomic level. This creates drastically improved and stabilized parts that have a denser, smoother structure. As a result, corrosion, heat, and wear are significantly reduced, with distinct effects on performance and durability.