

# Hardchrome TDC Plating—Technical Bulletin

**HARDCHROME TDC** is a plating process which produces very thin dense chrome (TDC) coatings of a molecular spheroidal shaped rich chromium, ultra-hard deposit.

**HARDCHROME ENGINEERING** apply Hardchrome TDC at our Plating Shop in North Clayton, VICTORIA.

**HARDCHROME TDC** complies with MIL-DTL-23422, Class 2. A typical plating thickness is between 1 to 4 thou or 0.025 to 0.10mm with a hardness of Vickers 1300 and a crack free surface.

**HARDCHROME TDC** is most commonly applied to dynamic surfaces where perhaps a shaft is rotating against a stationary seal.

**HARDCHROME TDC** can also be applied to two surfaces where anti-galling characteristics Hardchrome Engineering – Nth Clayton, VIC are desirable. Applications include Box Connectors and Tree Caps in the Oil & Gas sector.

**HARDCHROME TDC** has also been employed very successfully on large diameter Steel Mill Work Rolls to improve their service life by as much 200%!



Hardchrome Engineering – Nth Clayton, VIC

## CONTACT DETAILS

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## Other Surface Treatments include:

Hardchrome Plating (AS2453-2004, ASTM B117-01)  
Electroless Nickel Plating (AMS 2404E)  
Electrolytic Nickel Plating  
(AS1192-2004, ASTM B689-97)  
Brush Plating  
Sermetal and Sprayed Teflon  
Heat Treatment - Nitriding  
Vacuum Hardening, Tempering and  
Brazing Tempering and Stress Relieving  
Metallurgical Testing

**QUALITY** – Our operations are accredited with ISO 9001: 2008. We are constantly seeking to improve the quality and service we offer our customers.



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