

# "TDC-1"®

## Thin Dense Chrome

**"TDC-1"®** Is Hi-Tec Plating's proprietary Thin Dense Chrome Process for increased lubricity and reduction in coefficient of friction.

**"TDC-1"®** Provides many advantages, including but not limited to:

- Self lubricating, low coefficient of friction
- Good release properties
- Conforms to surface detail with no further grinding or polishing needed
- Applicable to most ferrous and non-ferrous metals (with the exception of aluminum, magnesium and titanium)
- Surface Micro Nodularity (photo) provides increased lubricity

**"TDC-1"®** Deposit Properties:

- Surface Hardness 70-72 Rc
- Ideal for close tolerance applications dimensional change .00005 to .0002" (per side) controllable
- Applied at low temperature 130° - 140° F avoiding thermal distortion or annealing of the substrate

**"TDC-1"®** Reduce:

- Sliding wear
- Sticking and galling problems
- Molding release problems

**"TDC-1"®** Can be certified to:

- QQC-320
- AMS 2406
- AMS2438

**"TDC-1"®** Is RoHS Compliant

