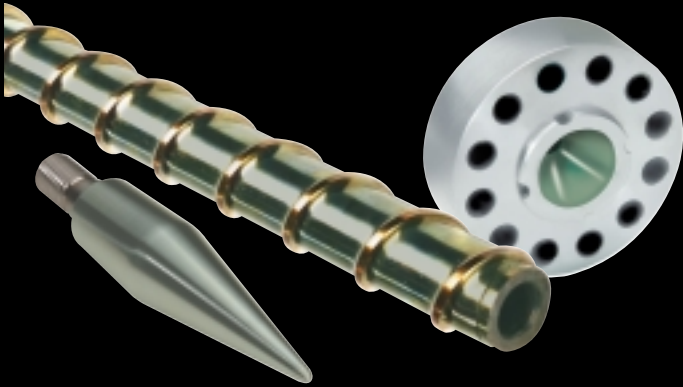




ANTI-CORROSION PACKAGE FOR PVC AND CPVC PROCESSING ENVIRONMENTS



Burned, degraded, baked on PVC and CPVC. "Cooked" feedscrews. Shutting down the process and pulling the feedscrew, tip and end cap. Cleaning off burned, degraded, baked on material. Even repairing and rechroming feedscrews. They're all things of the past for PVC and CPVC injection molders.

PVCSTAR is the injection molding package just developed, and perfected, by SERVTEK for the PVC/CPVC molder. Our new package of corrosive-resistant screw, smear-head tip and end cap eliminates all corrosive effects of PVC/CPVC attacking the base metal.

The feedscrew features a flexible space-age ceramic coating, replacing older double- and triple-chrome plated feedscrews which eventually wear through from burning, cleaning and re-cleaning.

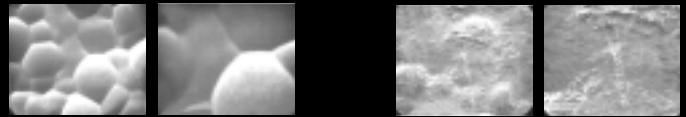
The enemy is the chlorine in the PVC, which attacks the substrate material. Eventually, this causes the substrate to fail. Then, the more imperfect the surface exposed to the PVC, the shorter the time between cleanings. The reason for older multiple plating was simply to cover the chrome "imperfections" with more layers of plating. The more cleaning, the more wear through the chrome, the more imperfections exposed to the process. Soon rechroming, repair and expense, were the only alternatives.



1.

2.

1. PVCSTAR ceramic coating completely fills micro-cracks of chrome plate with chromium oxide (Cr₂O₃).
 - a. Prevents blistering of plating caused by penetration of chlorides through the chrome plate,
 - b. Stops plastic (polymer) from wedging into micro-cracks making cleaning of components easier and faster,
 - c. Lowers friction.
2. Chlorides or other acids do not attack chromium oxide (Cr₂O₃).



3.

4.

3. The process chemically bonds the Cr₂O₃ to both the chrome plate and the substrate, increasing the bond strength of the chrome plate to the substrate.
4. Life increases:
 - a. Laboratory corrosion (salt fog) tests prove it: i. 100 hours, plain chrome plate average life. ii. 2,000+ hours ceramic coated densified chrome plate average life.
 - b. Similarly coated pump rotors used as drilling motors in oil-well drilling with Calcium Chloride (CaCl) also substrate wear-resistance: i. 50 hours, plain chrome plate average life. ii. 200 hours ceramic coated densified chrome plate average life.

PVCSTAR IS SERVTEK'S CERAMIC COATING FOR CORROSION-RESISTANCE AND DENSIFICATION OF HARD CHROME PLATE

PVCSTAR's "perfect" ceramic coating resists the release of corrosive chlorides and acids as part of the process - and, thus, resists all corrosion effects. PVCSTAR ceramic coated feedscrew packages have been processing problem-free in the field for over one year. Call today and let us share our smooth-running experience with you.

GET YOUR PRODUCTIVITY COOKING. NOT YOUR FEEDSCREWS



SERVTEK