

A SIMPLE COATING SOLUTION



CHRIS NEELY
Vice President of Sales
ARMOLLOY

ARTICLE TAKEAWAYS:

- Wear parts last longer when coated



Wear life coatings provide significant cost savings, prevent premature wear, and extend the overall life of your tooling. For example, a food processing facility had a bushing assembly that required constant maintenance and an automated lubricating system to function properly. Every ten weeks the maintenance crew would replace 55 brass bushings that rotated at 2,400 RPM over a stainless-steel shaft. Through the course of the year the company was spending over \$15,000 on sacrificial parts to keep their line operating.

In an attempt to correct this issue, the company explored using a wear life coating. The first night of trials the automated lubrication failed, and yet the bushing assembly continued to run properly. They found that treating both the bushings and the stainless-steel shaft with a coating that specialized in lubricity and wear life, would significantly reduce the cost of operation. The food company went from replacing 55 bushings every ten weeks to replacing them annually as a preventative maintenance measure. Not only did they see major cost savings in the bushings alone, but the company was able to completely remove the lubricating system.

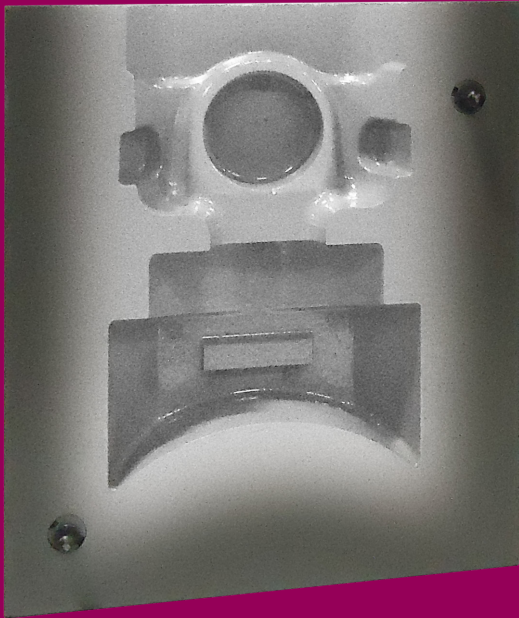
By simply adding a wear life coating the company was able to cut expenses by over \$15,000 on parts alone. It also allowed for the maintenance department to focus on larger problems.



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ARMOLOY TDC COATINGS FOR BETTER METAL PARTS



“This affordable material is nothing short of amazing - a true chrome material that wears and wears. When it gets a little thin, it can be easily removed and replaced at the original thickness very quickly at room temperature. Dimensional accuracy maintained at less than .0003” per side for thickness. We have seen core box life extended 5 times versus uncoated boxes.”

Jack Palmer

President, Palmer Manufacturing & Supply



ARMOLOY TDC Coating is a low-temperature, multi-state surface finishing process providing protection and performance benefits to all ferrous and most non-ferrous metals. Unlike conventional hard chrome plating operations, TDC conforms precisely to details in metal tools, resulting in a hard, slippery, and corrosion-resistant tool surface.

ADVANTAGES:

- 78Rc Surface Hardness
- Enhanced Corrosion Resistance
- Reduced Maintenance & Part Replacement Costs
- Reduced Wear & Friction in Moving Parts
- Improved Release Characteristics
- Absolute Adhesion to Base Metal
- no chipping, cracking, flaking or peeling