

Armoloy TDC is Increasing Life and Improving Performance of Linear Bearings in the Following Industries:

- Machine Tools
- Paper Manufacturing
- Pharmaceutical
- Nuclear
- Food Processing
- Clean Room
- Robotics
- Aerospace

Added Lubricity

The unique nature of the Armoloy TDC process will enhance the lubricity of your Armoloy coated components. This added lubricity is especially important in applications requiring minimal lubricating agents being present in the processing line.

Increased Corrosion Resistance

Armoloy will improve the corrosion resistance of standard linear rails in most chemical or water environments to be comparable to or exceed that of 440C stainless steel. Armoloy coating also has the added benefit of longer wear life than stainless steel due to its higher surface hardness (78 Rc) and immediate cost savings realised from the use of non-stainless rails, screws or shafts.

Safe and Simple

Armoloy is applied with a 2½ - 5 micron (.0001/.0002") deposit per side, eliminating the problem with major size/tolerance clearances. Armoloy will create an absolute bond to your linear unit that will not chip, flake, crack or peel in field applications. Armoloy is also FDA-USDA approved for food and medical processing applications and is being used in many applications where adverse conditions prevail.

Cost Reductions

Costs will be lower when using Armoloy coated slides versus stainless steel slides. Deliveries will be established to meet your important JIT schedules.



Custom Armoloy coated actuators perform better and resist corrosion in severe environments.



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