HELWIG CARBON PRODUCTS, INC.®

Teflon™ Coated Brush Holders

Engineered for superior durability in steel pickling lines

Improved Teflon Holders

- Fights Pickling Line Corrosion
- High Performance in Corrosive Environments
- Maintains Smooth Brush Operation

The Problem

- Pickling is a metal surface treatment to remove impurities with strong acids like hydrochloric acid (HCl) and sulfuric acid (H_2SO_4)
- These acids increase their corrosion rates when the temperature of the motor increases
- For the DC motors that drive pickling lines, the high acidic environment attacks and corrodes many components including brush holders
- The corrosion of the brush holder causes brush hang ups, leading to arcs and sparks, motor failure and inevitable downtime!

The Solution

- With extensive lab testing, Helwig has developed Teflon™ coated brush holders and mounting hardware to withstand corrosive environments found in and around steel pickling lines
- Compared to nickel and duplex of silver over copper, Teflon™ is the superior coating for pickling lines
- Teflon™ holders from Helwig will significantly reduce corrosion and brush hang ups
- All Helwig holders can be Teflon™ coated for durability

FIGHT PICKLE LIQUOR PROTECT YOUR INVESTMENT

Brush Holder Coating Comparison

For further details, request our whitepaper:

Evaluation of Brush Holder Coatings for Resistance to Acid Fume Exposure **(WPR-209)**

After 40 hours of testing, our Teflon™ coated brush holder was THE ONLY SAMPLE to show no corrosion and a free moving brush.

Dynamic Duo

Improved Spring Material

Pair your Teflon™ holder upgrade with our improved Constant Force Spring material.

Upgrade to Inconel® 600 to defeat pickling line corrosion for good!

Industry standard 301-SS material will have decreased performance and shorter spring life.

ABOUT HELWIG CARBON

Helwig Carbon Products, Inc. is the premier, family-owned, American manufacturer of carbon brushes, brush holders, spring assemblies, bearing protection kits, metal graphite brushes, and mechanical carbons. Since 1928, we have forged innovations that have since become industry standards and requirements. We pride ourselves on manufacturing all of our products to the highest standard and performance because we know your application depends on it!

HELWIG® CARBON PRODUCTS, INC.

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