



# Extreme Wear Solutions

Oil & Gas, Mining, Aerospace, Agriculture & Industry

## Definition: Extreme Wear Solutions

The manufacturing and repair methods used to produce custom, application-specific, superior performing parts.

### Benefits of using Extreme Wear parts:

- Reduction of costly downtime with the use of superior performing Extreme Wear parts
- Reduced part replacement or repair costs
- Reduction of maintenance & operating costs due to longer service cycles with Extreme Wear parts

# Reduce Your Downtime

Reduce Downtime & Operating Costs with Extreme Wear Parts



### Packing Sleeve (before)

This packing sleeve was removed from an SLR pump after an in-service life of **only 3 months**. The **highly visible wear** was caused by the gland letting go which caused the packing to move onto the sleeve. Also visible is the **extensive corrosion** to the stainless steel.



### Packing Sleeve (after)

This identical packing sleeve was **rebuilt** using our **Extreme Wear coating process**. The first step was to rebuild the sleeve diameter with **tungsten carbide** - applied via robotically controlled HVOF spray. The second step was the grinding down to **OEM specifications**. The result is a material hardness **over 2.5 times** the original sleeve plus **reduced corrosion** due to a "best-match" between sleeve material and the solution being pumped.

**ASK us about our EXTREME WEAR line of Packing Sleeves!**

# Lower Your Costs

Reduce Downtime & Operating Costs with Extreme Wear Parts



## Triplex Plungers

We manufacture, rebuild and design some of the longest lasting triplex plungers on the market today.

Cadorath only uses the highest grade base materials and state-of-the-art coating procedures which include robotically controlled HVOF, plasma and thermal spray. We offer a wide variety of hard-faced coatings including our own proprietary options for extending the life of your components.



## Impeller Case Wear Rings

Our impeller case wear rings are manufactured to OEM dimensional specifications ensuring a best-fit into your existing pump casings. Combined with our wide range of superior base metals used in manufacturing, our wear rings achieve longer service cycles.



## Center Stage Pieces & Components

Cadorath manufactures various coated & uncoated components in our world-class CNC & manual machine shop.

Whether it's a welded overlay or thermal sprayed overlay, Cadorath can produce a single part to a large run to meet your needs.

Our additional in-house capabilities include NDT, CMM, materials lab, and engineering services.

**CALL US for info on: How to Reduce YOUR Downtime & Costs**

Cadorath

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