



MASTERSON HARD CHROME SERVICE
www.mastersonchrome.com

WHY IS CHROME SUPERIOR TO SPRAY?

LONGER RUN TIMES, INCREASED EFFICIENCY, LOWER ENERGY CONSUMPTION, REPAIRABLE

Components subjected to dynamic and environmental forces benefit from chrome's unique high hardness and **low coefficient of friction**. Chrome coating is ideal when trying to extend the life of new parts or salvage worn parts—in both cases, **CHROME CUTS COST**. Industrial chromium is one of the most popular coatings used by engineers to improve equipment performance and increase the life of a part. A chrome plated part also has the added benefit of being repairable—saving up to 60% of new. Spray metal parts cannot be cost effectively repaired.

Hard Chrome is the most unique and diverse metal finish coating in the industry.

Its' properties include:

High Hardness—Rockwell 68-72 C

Wear resistance

LOWEST COEFFICIENT OF FRICTION

High melting point (1907 degrees C)

Corrosion resistance

Customers can expect to see longer run times, increased efficiency and lower energy consumption with industrial chrome plated components running in their equipment.

CHROME IS SUPERIOR TO SPRAY METAL:

Chrome has the lowest coefficient of friction. Chrome is **HARD** and **SLICK**. Spray is hard, but **NOT** slick. Because of chrome's unique combination of being both hard and slick, chrome will outperform spray metal in high friction, galling, seizing environments.

Chrome does all that spray does...PLUS it has the added benefit of having the lowest coefficient of friction that can't be matched by spray metal applications.

REPAIR WITH CHROME:

Another unique quality to chrome is the ability to repair a chrome plated part after it has completed its' run cycle. We can repair chrome by grinding out the wear, then building up with chrome and finish grinding back to size. This not only saves the end user money, but it's the most environmentally sensitive solution. This process keeps parts out of the landfill and keeps them working longer and harder.

When a spray metal plunger or pony rod has completed its' run time and needs to be replaced, spray metal parts are **NOT** repairable.

COMMITTED TO THE ENVIRONMENT:

Environmental sensitivity and responsibility are top priorities, and this chrome facility exceeds all local, state and EPA standards. Because we understand the importance of reducing waste, MHCS runs a closed loop system where the water used during processing is returned directly to the chrome tank—completely eliminating wastewater. Our state-of-the-art air pollution prevention system removes any pollutants from the air and exceeds the air quality standards set by the EPA.