

Hard Chrome

Hard chrome is a rugged, durable plating that resists corrosion and wear. It is applied by using chromic acid through an electrolytic process. Chromium metal adheres to the product's surface in thicknesses as small as "ten thousandths" of an inch (.0001).

Hard chrome offers a wide range of characteristics that no other material on the market possesses: longer product life, extra strength, hardness, lubricity, durability and corrosion resistance.

Hard chromed products have been proven to last up to 10 times longer than non-plated parts in hostile or high demand production environments. Hydraulics, molds, printing presses and other OEM equipment use hard chrome to repair, retrofit and extend equipment life including obsolete machine parts without OEM replacements.

Hard Chrome Advantages

- Improved lubricity
- Less friction-causing wear
- Reduce cost by extending life of part
- Parts hold up better in hostile, abrasive environments
- Better wear than harden steel
- Better wear than electroless nickel
- Restore obsolete parts to OEM specs

<u>Capacities</u>	<u>Hard Chrome</u>	<u>Grinding</u>	<u>Acid Stripping</u>
Maximum Weight	4,000 lbs.	6,000 lbs.	4,000 lbs.
Maximum Diameter	23 inches	24 inches	32 inches
Maximum Length	165 inches	130 inches	240 inches
Maximum Width	144 inches	----	32 inches
Tank Depth	120 inches	----	42 inches

Applications for Hard Chrome

Agriculture	Mining
Dies, tools and jigs	Paper mills
Electric motors	Pumps and pumping equipment
Fluid power engineering	Printing
Industrial molds	Railroad equipment
Machine tools	Rolling & coil mill machinery
Mechanical engineered products	Screw machine products
Machinery	Special industrial machinery
Metals and steel	Steel mills
Mechanical power transmission equipment	

Pre & Post Plating Processes

- Abrasive blasting
- Buffing and polishing
- Centerless belt-sanding
- Acid stripping

Types of Hard Chrome Processes

- Large parts
- Rack
- Prototypes
- Production: 1-1MM pieces

Substrates for Hard Chrome

- Stainless Steel
- Cast Iron
- Aluminum
- Copper
- Bronze
- Nickel

Our Production Capabilities!

- 30,000 sq ft. conveniently located in Canton, Ohio
- 9 hard chrome plating tanks
- Plating capabilities 14' in length and 23" OD
- Flash to a heavy build-up .050 (chrome)
- Job shop and production for chrome and nickel
- 15 trained and experienced employees (Average 20 years)
- Specializing in aluminum, steel and most base metals
- Over \$1 million invested in equipment and EPA compliance
- Servicing Fortune 500 companies
- Improve OEM warranty-customer satisfaction