



## Full Product Line

### Metal Finishes

Zinc Electroplating  
Zinc Iron Electroplating  
Cadmium Electroplating  
Bright Dipping  
Passivation

### Trivalent Post Finishes

Trivalent Clear  
Trivalent Yellow  
Trivalent Black  
Trivalent Olive Drab  
Trivalent Red  
Trivalent Blue  
Trivalent Metric Blue  
Trivalent Green  
Trivalent Orange  
Trivalent Violet  
Trivalent Fuchsine

### Improved Corrosion

Seal # 2  
Seal # 3  
Seal # 4  
Seal # 5  
Seal # 5 Plus  
Enseal # 26  
Gleitmo 603  
Gleitmo 627

### Hexavalent Post Finishes

Clear Chromate  
Yellow Dichromate  
Yellow Leach  
Yellow Leach After Bake  
Silver Black  
Red Dye  
Blue Dye  
Metric Blue  
Green Dye  
Olive Drab  
Orange  
Violet  
Fuchsine

### Post Finishing

Baking  
Waxing  
Heavy Wax  
Water Soluble Wax  
Torx & Tension Wax  
Wax with a Color Dye



**SALT SPRAY TEST** per ASTM B117  
can be done in house and save you money on  
lab certifications.



## CONTACT US TODAY FOR A QUOTE!

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## ZINC & ZINC IRON ELECTROPLATING



Hexavalent & Trivalent  
Finishes are available in  
a wide array of colors  
See Full Product Line Inside





Three J's Industries was founded by Erwin Herz in 1980. He recognized the importance for industry knowledge in order to provide customers with the utmost **quality standards, highest efficiency** and **complete satisfaction**. Today the company is owned and operated by his three daughters – Joanne Marozza, Judy Garnmeister and Jennifer Herz. Three J's Industries is one of the few woman-owned metal finishing facilities in the United States. With the commitment to meeting the standards set forth by Erwin Herz, there is no doubt the customers will come out to be three time winners.

Our training along with our state of the art equipment and facility allows us to provide our services with a quick turnaround at the best possible price.



## Zinc & Zinc Iron



Zinc & zinc Iron are bluish-white, lustrous metals that can be electrolytically deposited onto steel. It gives an appearance of a bright nickel-chrome coating. Zinc & zinc iron are two of the most often used metals for plating. Zinc iron is a zinc plating with an iron alloy added to increase corrosion resistance.



Three J's Industries uses an alkaline zinc & zinc iron plating bath. The finish gives the steel part a corrosion protection coating as well as a nice bright appearance.

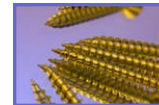
Zinc & zinc iron plating can be coated with post finishes of organic coatings, waxes, and dyes. The zinc/zinc iron film accepts colored dyes in a wide array of colors. (see full product line)

TABLE OF SALT SPRAY TO RED RUST (in hours)		
Zinc Coating thickness (inches)	Clear	Yellow
.0001	36	N/A
.0002	48	72
.0003	72	96
.0004	96	120
.0005	120	144

**Three J's is committed to providing only the highest quality !**

The alkaline zinc & zinc iron used by Three J's industries is exceptional because it is very ductile and has superior resistance to hydrogen embrittlement. Other types of zinc plating, like acid zinc, are not ductile and are very susceptible to hydrogen embrittlement.

Alkaline zinc & zinc iron are the most often used in the automotive industry, especially on safety parts.



### Specifications

Specifications are available at Three J's Industries for plating parts in conformance with the requirements of the following industry and OEM requirements.

<b>ASTM</b>	B633 Type 1-1V Service codes 1-111
<b>BENDIX</b>	ES-2567 Class A-D
<b>CATERPILLAR</b>	1E379B, 1E397E
<b>CHRYSLER</b>	PS PLATING
<b>DELPHI</b>	DX5512XX SERIES
<b>FORD</b>	S8,S9,S36,S40,S43 ,S51,S57 ESB M1 P3-P6
<b>GE</b>	F70B1
<b>GM</b>	GMW3044, GM 4344 AND 4345 CODES B,D,E,K,U
<b>MERCURY</b>	M039G
<b>OTHERS</b>	CALL FOR INFORMATION