ELECTROPLATING
MEXICO
S.A. DE C.V.

Electroplating and Chemical Surface Treatment by specification

ELECTROPLATING MEXICO S.A. DE C.V.

HISTORY

- Electroplating Mexico, S.A. de C.V. was founded by three Mexican entrepreneurs 16 years ago in Jalisco, Mexico (the so called Mexican Silicon Valley). Since then we have provide surface finishes to the electronic, automotive, aerospace and medical industries.

MISION

- Offer to the processing industry a service of electroplating and chemical finishing in different types of surfaces, with an excellent quality with deliveries in time and form, meeting the expectations that our customers require.

QUALITY POLICY

- Satisfying our customers in time, quality and service, constantly improving the efficiency of the processes of our Quality Management System.

ELECTROPLATING MEXICO S.A. DE C.V.

Quality Certification

- We are certified in ISO 9001-2015, offering chemical surface treatment and electroplating services by specification, mainly to the manufacturing industry within a global market.

Our quality management system states that our company should always:

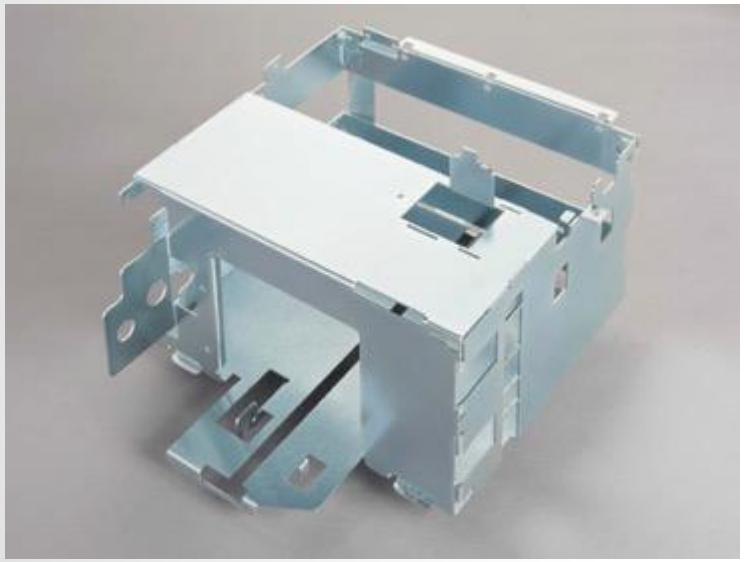
- Have a personnel training program and constantly orientations.
- Work with a quality manual, specification sheets, and alerts, to maintain a strict quality control of the finished product.
- Have suitable chemical analysis.
- Plan and perform preventive maintenance.
- Use the best quality raw material.
- Apply 5´S program to maintain a clean work area.
- Perform inventory controls.

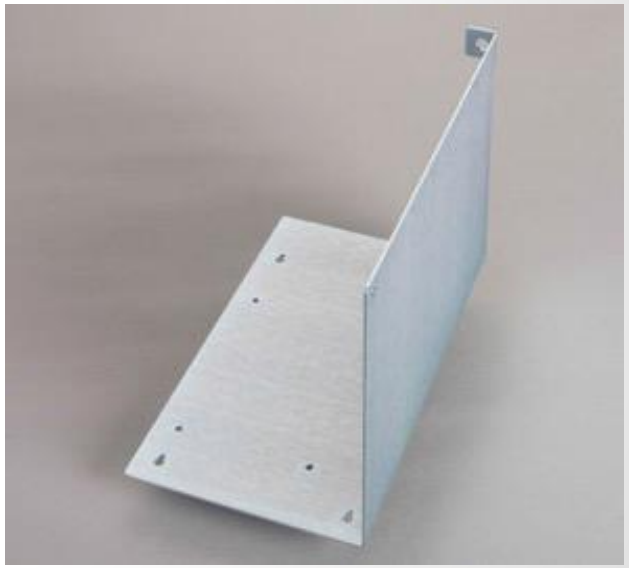
ELECTROPLATING MEXICO S.A. DE C.V.

INDUSTRIES

Current:
Electronics and Automotive, Communications, Medical, Appliances, Electrical.

Future:
Aerospace.





ELECTROPLATING MEXICO S.A. DE C.V.

PRODDUCTION LINES

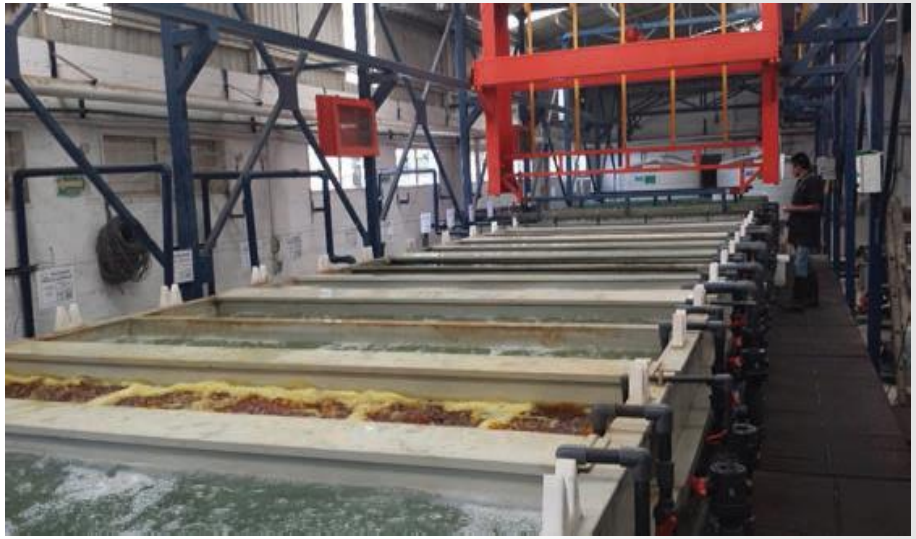
- Electrolytic zinc plating with seal:
  - Blue / clear
  - Yellow
  - Black
  - Clear green
- Electrolytic Zinc-Nickel plating.
- Tin plating.
- Electrolytic Nickel plating.
- Electroless Nickel.
- Anodized
- Aluminum chromate (Alodine).
- Stainless Steel Passivation
- Phosphatized
- Silver plating

ELECTROPLATING MEXICO S.A. DE C.V.

INSTALLED CAPACITY

Zinc and/or Zinc-Nickel in racks semi-automatic production line.

- Flow: 7 busbar per hour.
- Total solution capacity 14,500 liters in 3 tanks.
- Dimension: 485 dm^2 per load.



ELECTROPLATING MEXICO S.A. DE C.V.

INSTALLED CAPACITY

Acid zinc electroplating in racks

- Flow: 9 busbar per hour.
- Work area: 615 dm^2 per busbar.
- Solution capacity: 20,000 liters.

ELECTROPLATING MEXICO S.A. DE C.V.

INSTALLED CAPACITY

Tin-plating in racks or barrel plating line

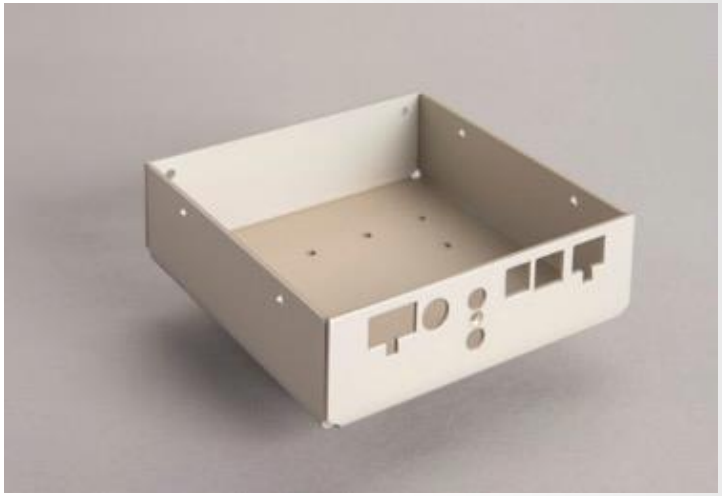
- Batch Flow: 6 busbar loads per hour.
- Barrel capacity: 12 Kg per load on 30 min.
- Tin solution capacity: 1,240 liters.
- Work area: 145 dm^2 per load.

ELECTROPLATING MEXICO S.A. DE C.V.

INSTALLED CAPACITY

Aluminum chromate (Alodine®)

- Batch Flow: 12 loads per hour.
- Clear Aluminum Chromate Capacity: 530 liters
- Work area: 150 dm^2 per load.



ELECTROPLATING MEXICO S.A. DE C.V.

INSTALLED CAPACITY

Passivation of Stainless Steel (Rack or barrel) line.

- Batch flow: 8 loads per hour.
- Barrel Batch Flow: 4 loads per hour.
- Stainless Steel passivation solution: 895 liters.
- Work area in racks: 195 dm^2
- * (1 load = 5 Kg)

ELECTROPLATING MEXICO S.A. DE C.V.

INSTALLED CAPACITY

Anodizing line for clear, black and other colors

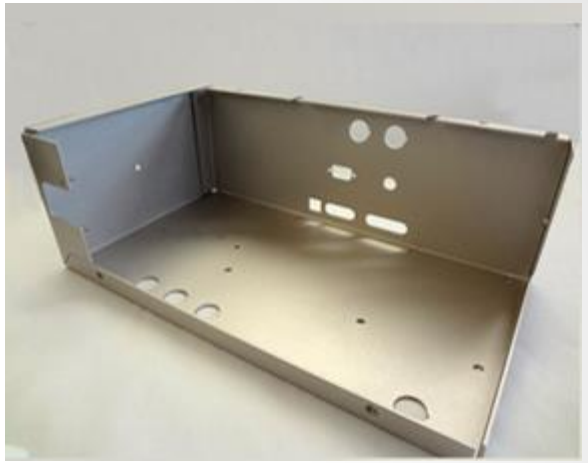
- Flow: 4 loads per hour.
- Anodizing solution capacity: 3,400 liters.
- Work area: 120 dm² per busbar.

ELECTROPLATING MEXICO S.A. DE C.V.

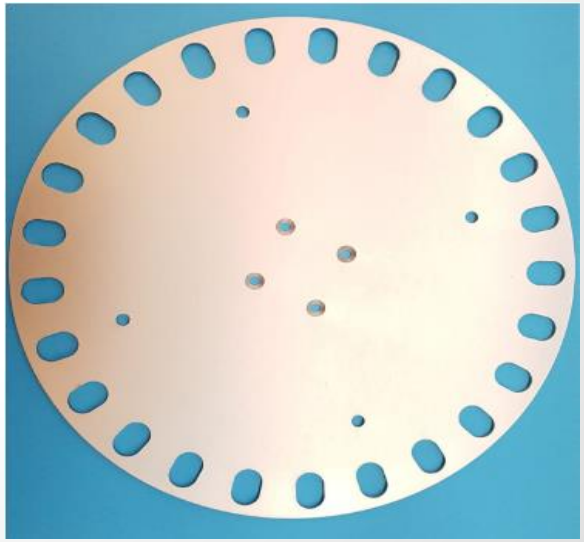
INSTALLED CAPACITY

Nickel electroless line.

- Deposit speed = 0.16 microns / minute
- Flow: 70 minutes per load for 10 microns.



- Nickel solution capacity: 450 liters.
- Work area: 68 dm^2
- *(1load = 5Kg) barrel

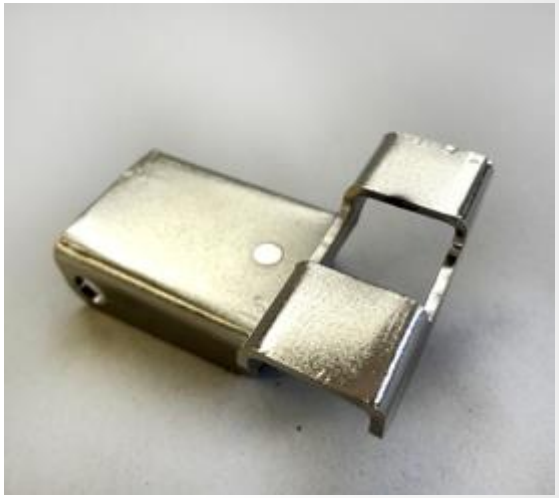


ELECTROPLATING MEXICO S.A. DE C.V.

INSTALLED CAPACITY

Electrolytic bright nickel line (Rack or barrel).

- Batch Flow: 3 busbar per hour for 15 microns.
- Barrel batch Flow: 2 loads per hour.
- Nickel solution: 675 liters.
- Work area: 65 dm^2 per bar.
- *(1 load = 5 Kg)



ELECTROPLATING MEXICO S.A. DE C.V.

Infrastructure

2 Electricity and heat generating turbines from natural gas.

Wastewater treatment plant.

Deionized water plant (60 mts³/day, 60,000 liters).

Pre-cleaning Line.

Hot air dryer conveyor.

Test and analysis laboratory. (Chem & phisics lab)

Maintenance department:

- Mechanic
- Electric

ELECTROPLATING MEXICO S.A. DE C.V.

Infrastructure

Gas extraction & injection system.

Versatile line for different process.

Chemical products warehouse (divided by risk level)

"X" Ray coting thickness mesuring instrument.

Salt spray test chamber

Equipment and spare parts warehouse.

Reel-to-Reel Line (Tinning process).

ELECTROPLATING MEXICO S.A. DE C.V.

Infrastructure

- Industrial building of 1,600 sq. meters (17,200 sq. feet)
- 80,000 sq. meters (860,000 sq. feet) for future growth.

New and improved (2018)

"X" Ray coting thickness mesuring instrument.

Salt spray test chamber

Reconditioning of semi-automatic Line.

Improvements in the Final inspection area.

New pre-cleaning line.

Industrial building renovations.

Reconditioning of gas extraction and injection systems.

Warehouses renovations.

New Chemical laboratory

New offices for de SGC, LOG, PROD, AL, INSP Y MAN departments.

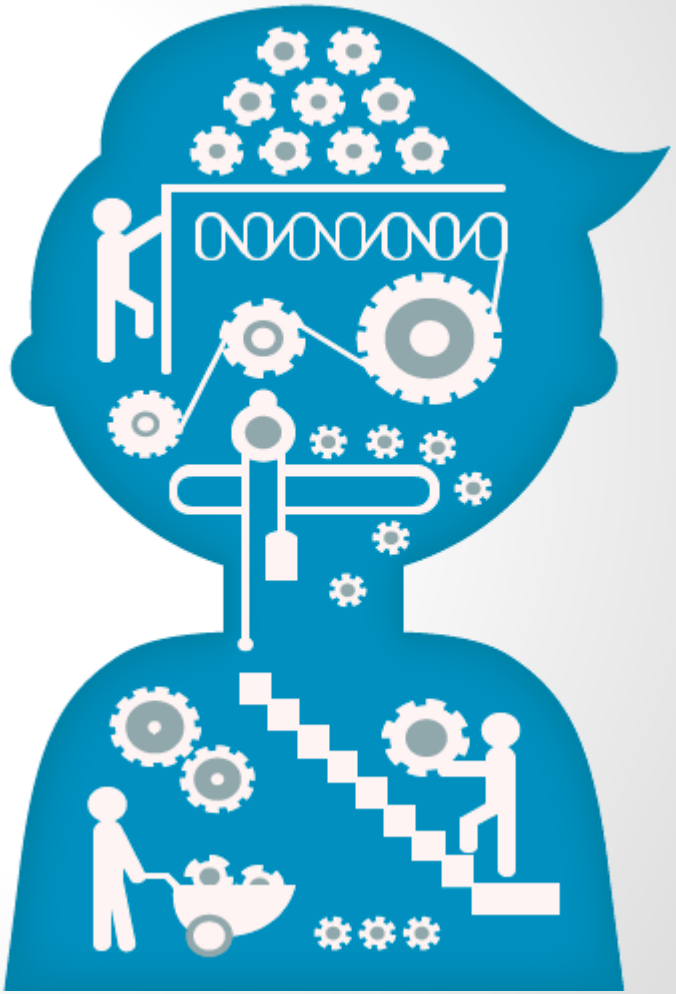
Versatile line for different process.

Extension for alodine production

ELECTROPLATING MEXICO S.A. DE C.V.

Crecimiento Futuro

- Electrolytic Nickel-Chrome Line.
- Automatic electroplating zinc line.
- Better automatic controls for the present lines.
- E-coat Line.
- Automatic Aluminum Finishing Line
- Larger Silver coting line
- UV test chamber



ELECTROPLATING MEXICO S.A. DE C.V.

COSTUMERS

SANOH

FAIST

SANMINA-SCI

trend

Mercury Aircraft Sales

Seeräuber Automotive

flex

Interplex Industries, Inc.
Global Solutions for Complex Parts and Assemblies

JABIL

ELECTROPLATING MEXICO S.A. DE C.V.

Mid-term Objectives

- Complete the acceleration process and achieve IATF-16949, AS 9100-c, NADCAP y UL certifications, allowing us to serve with the best service in a globalized market.
- Maintain our water treatment processes updated and fulfill environmental standards (ISO 14000).
- To offer the best surface finishing solutions or electroplating in the local, regional and global market.
- Start engagement in other geographical and Industrial markets.

ELECTROPLATING MEXICO S.A. DE C.V.

AV. PARAISO # 25
ARROYO DE EN MEDIO
TONALA, JALISCO
MEXICO C.P. 45426
TEL: (33) 3690-3737 / 3690-3738
E-MAIL: contacto@electroplating.mx
www.electroplating.com.mx

THANK YOU!