



General Overview

Galvanizadora de Occidente

Plastic Injection
&
Premium Plating Company
in Mexico

Arnaud Bozonnet
September 2022



The MAB Group

100 Musd in Sales
more than 1,200 Employees
100 % Mexican Capital

The MAB Group covers 4 activities, all plants are based in Guadalajara, Mexico, and linked principally with the automotive market.



Automotive spare parts
distribution



Automotive OE & AM
accessories manufacturing
and distribution



Truck spare parts
manufacturing and
distribution

Galvanizadora de Occidente

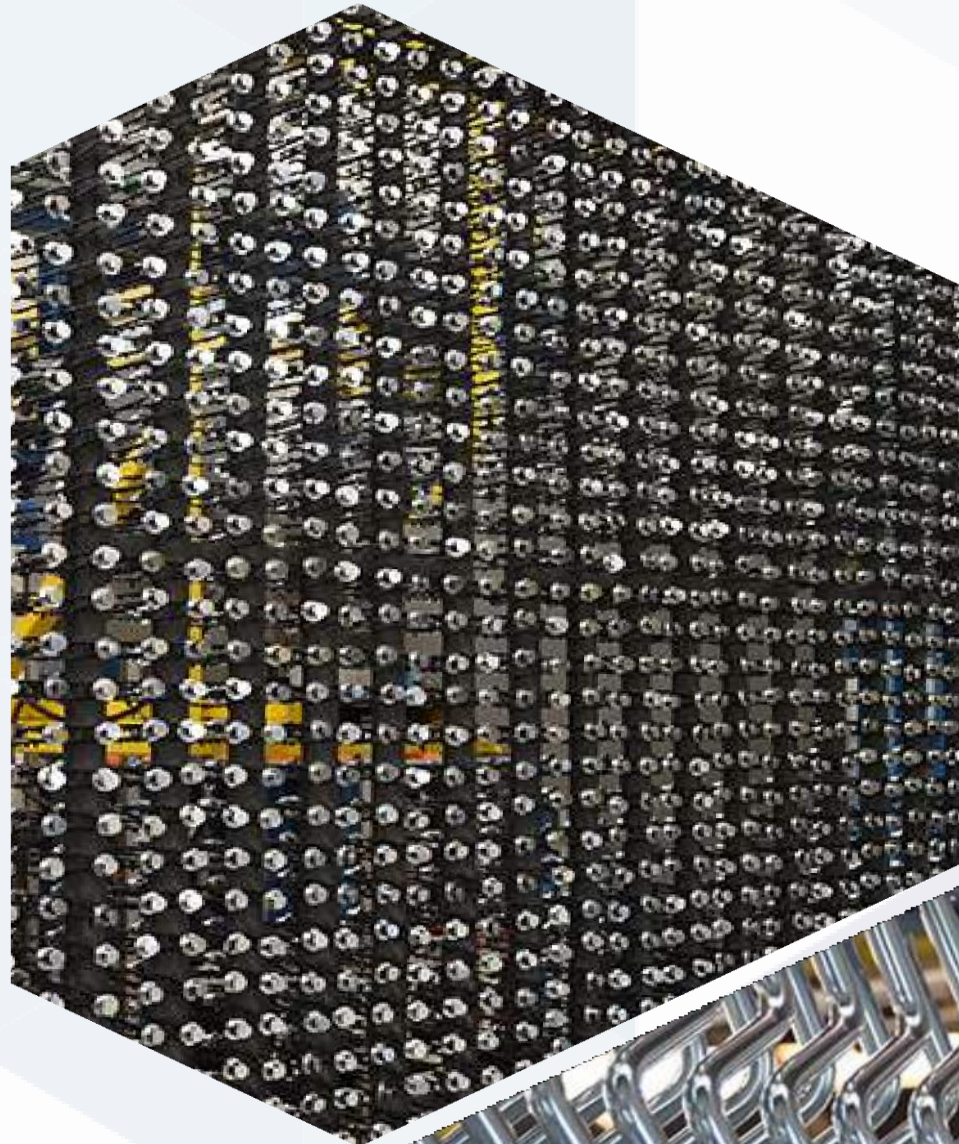


The Company has built its reputation on plating activities during more than 58 years, providing specialized and high standard for metal and plastic finishing.



The GDO team is composed of highly qualified people with advanced technical expertise for different markets.

GDO Group: 3 activities



Metal Finishing



Plating on Plastic



Plastic Injection

In parallel of the surface finishing industry, the Group has developed skills in injection molding through the years to control the quality of the plastic parts and decided to integrate this activity inside the Company to offer a wider range of service to its customers.

#1 : Metal Finishing



Sales: 95% automotive, 4% home appliance, 1% EMS



...the origin of GDO: substrate for metal including different lines and finishes:

- ***Chrome***
- ***Anodizing***
- ***Zinc***
- ***Zinc Alloys***
- Tin
- Electroless Nickel
- ...

to mention a few.

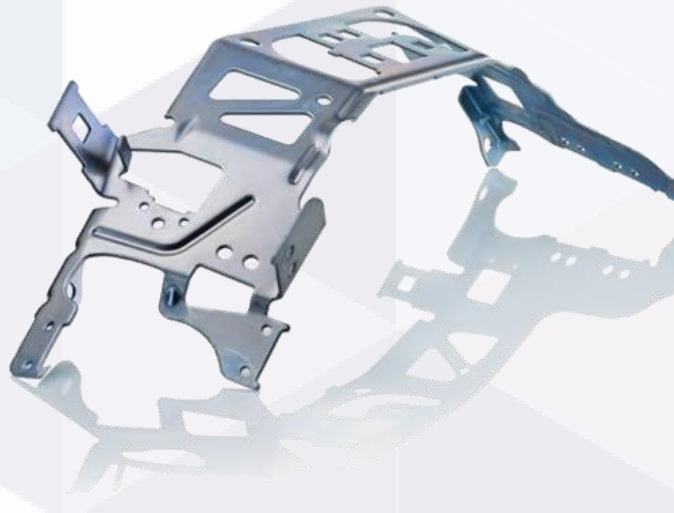
#1 : Metal Finishing

Sales: 93% automotive, 7% home appliance

Anodizing



Zn & ZnNi



Chrome & Black Chrome



#2 :Injection Molding



Additional to its original core-business, GDO has started the vertical integration of the plastic activities in 2018 in order to :

- have a better control on the engineering and the quality of the parts

GDO works on feasibility and DFM since the early design of the plastic parts

- Control the design and construction of the molds

Partnership with mold-makers in Mexico, Asia or Europe depending on customer's preference

- In-house production

Elimination of supply chain management and strengthen our competitiveness.

#2: Injection Molding



GDO started to grow the activity :

- Transferring molds of existing businesses
 - VW decorative frames for gear levers, various products (1k and 2k)
 - Freightliner handles
 - FCA roof accessories
- New programs: decorative chromed parts
 - for Daimler Word7, Maybach, BR167 platforms
 - VW Golf, Tiguan, Jetta, Tarek
 - Tesla Model 3
 - Paccar, Kenworth, Navistar

Tonnages available	60T
	110T
	180T
	220T 2k
	240T
	450T
	650T

GDO continuously invests according to customer requirements.



#3: Plating-On-Plastic



Sales: 90% automotive, 10% home appliance



Fully automated large capacity ABS & ABS/PC plastics plating line with 74 stations to provide bright and satin chrome, meeting both interior and exterior automotive OEM's specifications.

Our working window is (height x length x width) 1.3m x 2.2m x 0.6m
equivalent to 4.27 x 7.22 x 1.97 feet.

New chemistry development for high quality selective plating in 2k parts (since 2016).

Process control



GDO's strategy is focused on continuous process investigation, development and control with close relationship with its chemistry partners. Our laboratories guarantee a strict high finishing quality thanks to a wide range of procedures and equipment.

- CASS and Salt Spray Chambers.
- Spectrophotometer UV/Visible rays.
- Coulomb-meter equipment (Kocour 6000) Thickness and step test.
- Chemical and statistical control of the process lines.
- Metallographic microscope for Dubpernell test.

Products compliance

GDO controls product's compliance based on performance tests done internally and qualifies new productions with accredited external labs.



Racks engineering



ProRacks is GDO's sister Company.
ProRacks designs and produces all the racks for internal process needs.

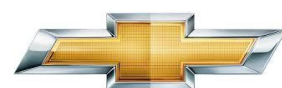
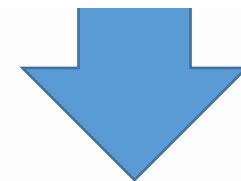
It ensures GDO has a faster response, higher productivity and a better Quality, in our everyday production.



Automotive Tier's Customers




Serving OEMs



Main Customers

Home appliance / Consumers



Electrolux

Quality certification

IATF:16949:2016 Certification

Certificate number: 0414259

Expiration date: July 2024

Issue date: July 2021

Release date: Aug 2021





Nº IATF 0414259



CERTIFICATE

No. **EC-IATF-8925/18**

LGAJ Technological Center, S.A. (Applus+) certifies that the Quality Management System of the supplier:

Galvanizadora de Occidente S.A. de C.V.

Calle 20 No 2993. Zona Industrial
44940 - Guadalajara (Jalisco)
México

Extended Manufacturing Sites
Planta 2
Calle Luis Molina No. 2534.
44940 - Guadalajara (Jalisco)
México

For the following activities:
Manufacturing of plastic injection and electrolytic coatings on metal and plastic parts.
"Without product design responsibilities (8.3)"

is in accordance with the requirements of the standard
IATF 16949:2016

Having been audited in accordance with the "Rules for achieving and maintaining IATF recognition" for IATF 16949:2016 certification bodies, fifth edition"

Expiration Date: 27/07/2024
Issue Date: 28/07/2021
Release Date: 04/08/2021

General Director
Applus+ Certification B.U.



Xavier Ruiz Peña

Systems Certification Technical Manager
Applus+ Certification B.U.



Mercè Cento Barreiros

This certificate shall be valid provided that all the conditions of the contract of which it is a part are fulfilled
LGAJ Technological Center, S.A. Ronda de la Font del Carme s/n, 08190 Santarriba, Barcelona

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GDO cares about the environment



GDO meets all environmental standards and regulations and lead the way of government relations in the country regarding compliance of our industry.

GDO has just passed successfully ISO14,000 audit in August '17 for the plastics finishing facility and its re-certification audit this past November'20.



Our differentiation



➤ **Metal finishes**

- Functional protection
- Cosmetic and customized colors

➤ **Plastic parts**

- Functional
- Cosmetic
- **Chromed decorative**

➤ **Vertical Integration**

- Racks
- Production lines
- Process development

GDO, the only local, vertical integrated & human-sized supplier on metals and plastics part finishes, looking at innovative solutions and synergies between our companies.

Contact information



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Gracias!

Thank you!

Danke!

