



**TECN**  **HULE**  
CUSTOM MANUFACTURING

[www.tecnohule.com](http://www.tecnohule.com)



# About us



In january 2014, Tecnohule begins production as one of the first rubber manufacturing companies in Querétaro, México with national scope.

Tecnohule performs the production of different rubber parts with the following processes:

- **Compression molding**
- **Extrusion line**
- **Pre-formed hoses**





# Quality policy

Tecnohule is a company that is committed to reach, satisfy and exceed the expectations of our customers, manufacturing a product that fits their requirements, with a personalized service, offering competitive costs that we achieve through improvement in our processes.



# Organizational chart

Ing. Francisco Cherizola  
CEO



Lic. Laura López  
SALES MANAGER



Ing. Domingo Mendez  
PRODUCTION MANAGER



Ing. Verónica Ríos  
QUALITY COORDINATOR



# Facilities

- +20,000 sq. ft. Plant in 2 warehouse facilities.
- 3 compression and transfer molding presses with 150 ton of pressure, 450 x 450 mm with digital temperature control.
- 1 compression and transfer molding press with 300 ton of pressure, 700 x 700 mm with digital temperature control.
- 1 compression and transfer molding press with 450 ton of pressure, 800 x 800 mm with digital temperature control.



# Facilities

- 1 autoclave for vulcanizing pre-formed parts.
- 1 rolling mill with 100 Kg capacity per load.
- Semi-automatic extruder machine with PLC control in conjunction with a 70 ft long hot air vulcanization line (HAV).
- Quality control department.
- 50 employees, 1 shift.
- 50% capacity available.



# 2013

Main machinery is installed: extrusion line, rolling mill, hot air vulcanization line, hydraulic presses, boiler and cooling systems.



# 2015

Development of impact wheels for mining industry.



# 2017

Manufacture of extruded profile for VW Tiguan, launch of the 13 mm-thick gym mat.



# 2019

Started manufacturing hoses, belts, bushings, among others for Italika motorcycles.



# 2021

Manufacture of water hoses, parts for food industry, as well as closed cell sponge profiles and parking wheel stoppers.



# 2023

Automotive rubber-metal bonded parts and grommets, hidroelectric damp seals, cut gaskets for filters, granulated rubber tiles and 10 mm gym mats.

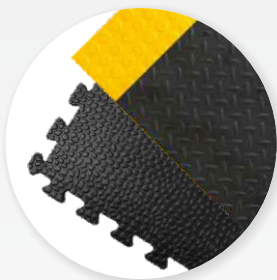


## Timeline



# 2014

The production of different custom-designed solid profiles starts, gym mats and anti-fatigue mats production begins.



# 2016

Manufacture of diaphragms for deep well pumps.



# 2018

Development of silicone parts used in leak testing for insulin application equipment in medical industry.



# 2020

Introduction of new auto parts for the automobile industry.



# 2022

Bumps to hold steel rolls for Toyota, rubber pump for toilet and extrusion of silicon profiles.



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# What we do



- Development and manufacturing of rubber parts with three processes: extrusion, compression molding and preformed parts.
- Experience with rubber materials such as EPDM, SBR, nitrile, neoprene, natural rubber, silicone, sponge, hydrogenated nitrile, rubber - metal bonding and others.

As well as the development of formulations for special applications.

- Our processes, products and services accomplish ISO-9001-2015 standards.

# Markets



## Automotive



**Bumps for Toyota**  
/ EPDM



**Mazda profile** / EPDM



**Preformed hose** / Nitrile



**Gummy** / EPDM



**Belts** / Nitrile



**Dust covers**  
/ Rubber-Metal



**Grommet** / EPDM





# Markets



**Aerospace**



Rubber seal / NBR



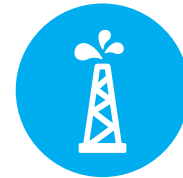
**Health  
industry**



Silicone part



Plugs / NBR FDA



**Oil  
industry**



Rubber seal / Nitrile



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# Markets



**Telecommunication**



Profile / Natural rubber



**Home appliances**



O'rings / NBR



**Electric**



Rubber profile / EPDM sponge



Seal / EPDM



Star profile / EPDM



# Markets



## Industry in general



Plugs / Silicone



Grommet / EPDM



Parking wheel stopper  
/ EPDM



Hidroelectric dam seal / SBR



Rondelle  
/ Natural rubber



Profile type "J" / NBR

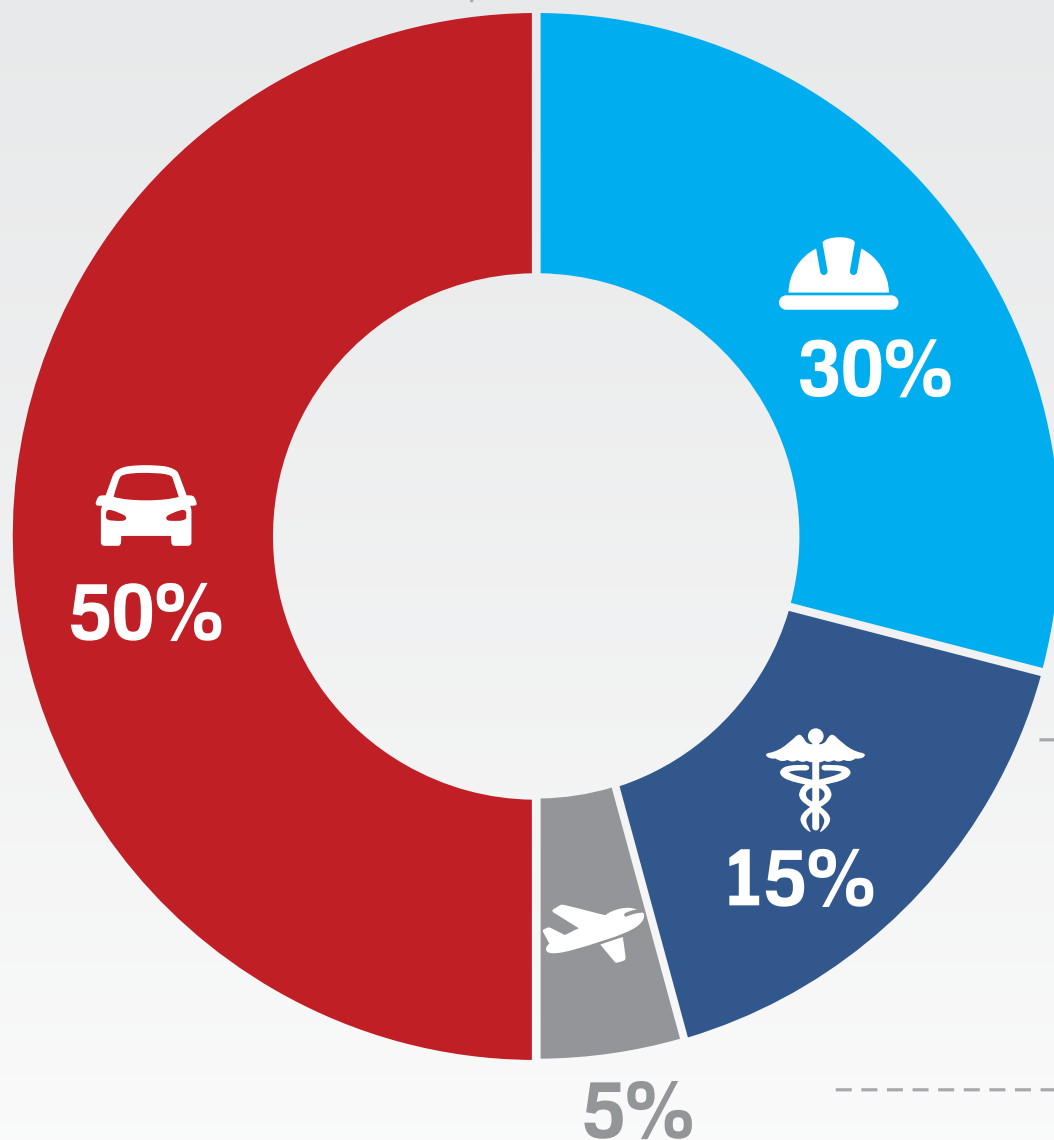


Tiles (15 and 25 mm)  
/ EPDM



GYM mat (10 mm)  
/ EPDM





## Market served

50% Automotive industry

30% Industry in general

15% Health industry

5% Aerospace industry



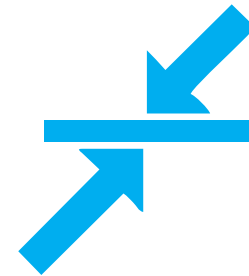
# Processes



**Extrusion**



**Pre-formed  
hoses**



**Compression  
molding**



# Extrusion



- Hot air vulcanization line, which includes a cold feed extruder and its tooling that help extrude the material adopting the required shape; the material is vulcanized in a vulcanization line with hot air where the profile keeps its shape and develops its properties.



# Preformed hoses

- The process begins in a cold extrusion line and its tooling that help extrude the material adopting the required hose shape, then it is placed on metal preforms to obtain the final shape.

The vulcanization is carried out in an autoclave using hot steam.







# Compression molding



- The compression molding process starts with the design of the cavity on the tooling, raw material is introduced on the tooling and through compression the shape is given, vulcanization is accomplished with the heat transfer generated by electrical resistances.



# Location

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