



Driving ideas into polymer-based solutions – creatively, rapidly, globally.

Company Presentation OECHSLER Mexico

OMX

01/03/21





OECHSLER Mexico Overview

3

OECHSLER Mexico Molding, Assemblies & Special Processes

8

OECHSLER Mexico Tool Shop

14

OECHSLER Mexico Laboratories

16

OECHSLER Mexico Product Strategy

19



OECHSLER Mexico Overview



OECHSLER is a trusted partner for development and production of polymer products – with a long history and a promising future

Our company at a glance.

Strong figures (2019)

476 Million EUR turnover

3,100 Employees worldwide

80 % Family-owned

Driven by Innovation and Growth

2018 OECHSLER wins “ZF”-Award in the field of Innovation - [Link](#)

2020 OECHSLER receives "Axia Best Managed Companies Award" - [Link](#)

2020 OECHSLER reaches the Top-50 of the "Strongest growing medium-sized companies" - [Link](#)

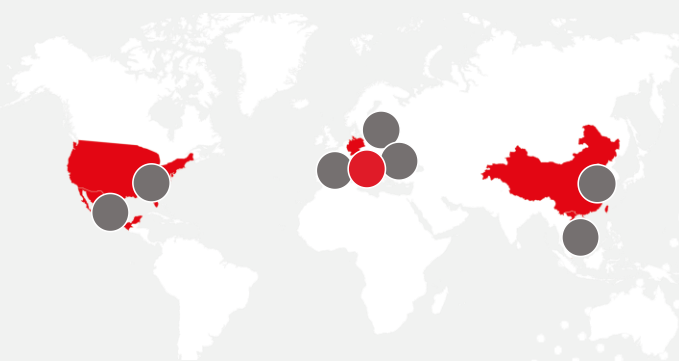
Diverse markets

63 % of turnover generated in Automotive

34 % of turnover generated in Innovative Solutions

3 % of turnover generated in Medical

Global Production Capabilities



Well-known customers

Selection



Dräger



BOSCH

flex



MEKRA LANG



kiekert

Dedication to quality




OECHSLER Mexico

MX

MEXICO

OECHSLER S.A. de C.V.

- Querétaro (established in 2012)
- Plant area: 14.480 m²
Manufacturing area 6.800 m², office area 1600 m²
- Personal: 299 Employees (Administrative: 82, Production: 217)
- Services:
 - Manufacturing for automotive sector
 - Fully equipped laboratory
 - Toolshop
 - ISO 9001, IATF 16949
- Executive Board: Dr. Claudius Kozlik, Michael Meyer, Michael Träger



OECHSLER S.A. de C.V.
Querétaro, MEX

OECHSLER Mexico: Company Profile

Development & Design

from a first draft to an approved product (done @ HQ)



Technologies Processes

standard and special techniques

Step I (done):

- ultrasonic welding
- resistance welding
- fully automated 100% end-of-line testing

Step II (realization):

- injection molding
- insert technology
- tool shop

Manufacturing & Assembly

Assembly of complex modules and production of required plastic parts (semi- and full automatical)



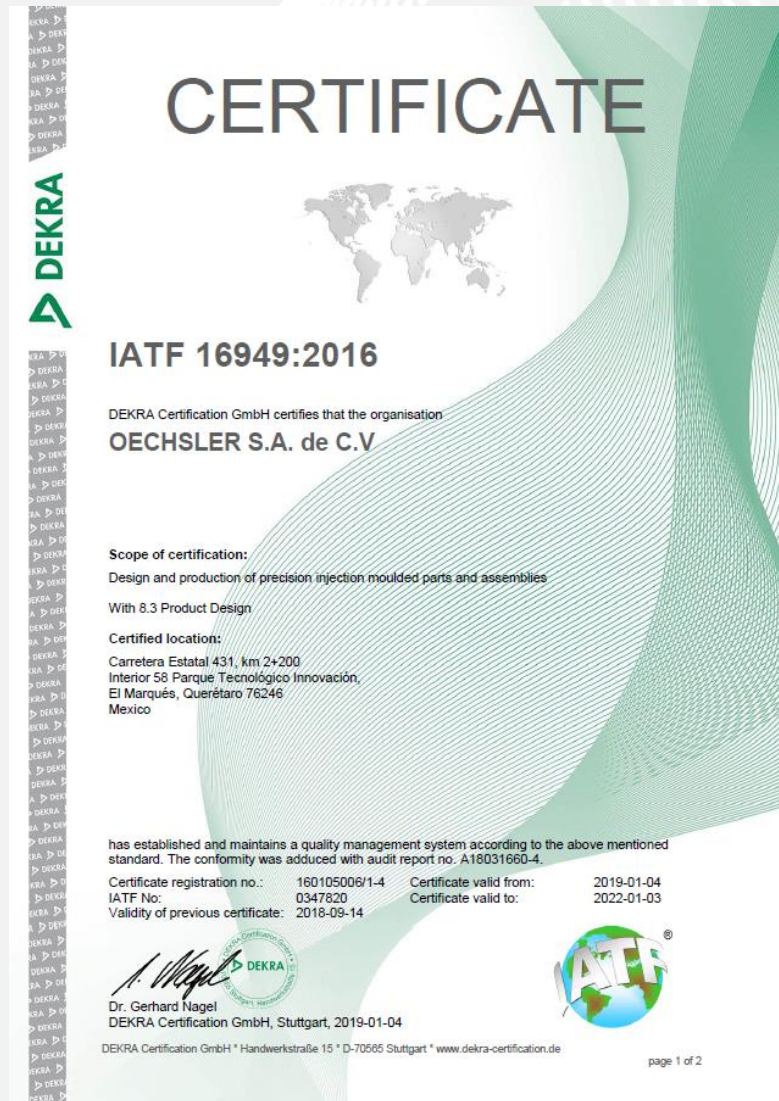
International subsidiaries

Europe, Asia, NAFTA



OECHSLER International is a one-stop-shop, offering customized solutions with plastics for high-tech products of different markets.

Certification IATF 16949





OECHSLER Mexico

Molding

Assembly lines

Special processes



OECHSLER Mexico: Molding Machines

Extended Capabilities.

Offering a wide range of molding technologies with complex geometries for multiple product applications and assemblies.



Centralized Feeding Systems.



Injection Molding Machines
(27 from 70-260 Ton).



Adiabatic Cooling Systems.



OECHSLER Mexico: Assembly Lines

Expert on Automation processes.

Assembly lines and rotary tables for complete actuators and gearboxes.



Extensive in-house expertise for the assessment of electronics and mechanics system solutions.



Special processing such as resistance welding, ultrasonic welding, pick & place and 100% testing.



OECHSLER Mexico: Special Processes

Innovative solutions for greater efficiency.

Specialized processes such as Curing, Potting and Testing.



- Temperature resistant and fluid tight housing assemblies for SCR applications.
- In-house DEF polyurethane casting.
- High quality De-icing and heating elements.
- 100% Automated tested EOL.



OECHSLER Mexico: Special Processes

Flexibility that you can rely on.

Design surfaces for visible installation with tight chemical-temperature and UV-resistance requirements.

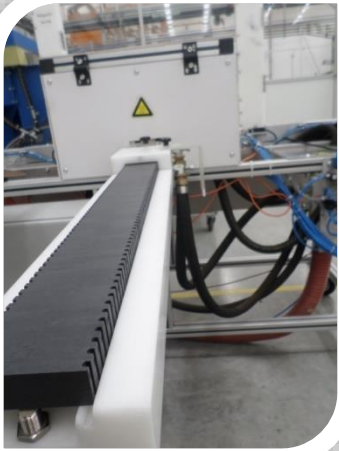


Driver assistance tech for
Autonomous driving.

OECHSLER Mexico: Special Processes

Quality built on experience

Specialized processes such as Milling, Deburring and Cleaning.



Components for vacuum pumps with high surface quality in sealing area and without burrs.





OECHSLER Mexico Tool Shop



OECHSLER Mexico: Tool Shop



- Laser welding, grinding, electroerosion, conventional machining.



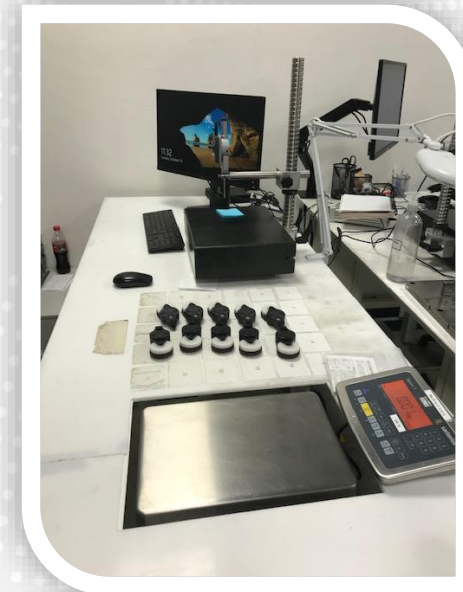
- Hot runner control, ultrasonic equipment, CMM and sand blasting.



OECHSLER Mexico Laboratories



OECHSLER Mexico: Chemical and Metrology Laboratories



- Viscosity capillary test.
- Melt Volume Rate & Melt Flow Rate.
- Moisture Content.
- Ash Content.

OECHSLER Mexico: CMM Room



- CMM.
- Frenco (Gear Tester).
- Vision System.
- Tensile/Compression test.
- Roughness meter.





OECHSLER Mexico Product Strategy



OECHSLER Mexico: Product Strategy – Targeting Products/Business

 Let's grow together.



Idea

- **(Sub-) Assemblies** with high value manual Work Content.



Development

- **High Volume Plastic Parts with adding value activities** in Range from 80to to 260to Clamp Force
- **Plan ahead:** Install up from 27 to 36 injection molding machines



(Global)
Industrialization

- **Taking EPB production as platform** and reference regarding the special processes already implemented at OECHSLER Mexico (**Ultrasonic Welding, Resistance Welding, fully automated Testing and Labeling**)
- **Plastic Parts for our own Assemblies** to reduce landed costs



(Global) Series
production

- **>20.000.000 produced actuators per year** (global market leader)
- **Globally standardized processes** and quality certificates
- **Regular high-quality customer ratings**

OECHSLER is an expert for the development and specification of actuators and drive technology

 Innovative Development. With us.



Phase I: Mold and Assembly Line build, Debugging, Training of Mexican Workers, PPAP and Production under supervision of certain amount of pieces @ Ansbach (Off Tool, Off Process, same Workers, not final Location)



Phase II: Next to an ongoing Optimization and Improvement Process
Transfer of the Assembly Line to Mexico, followed by and Delta PPAP @ Mexico
(Off Tool, Off Process, same Workers, final Location)



Phase III: Start Molding @ Mexico with fully localized Delta PPAP

What's in it for you?

Additional competencies. Joint success.

Proven expert for drive technology

High torque in small spaces

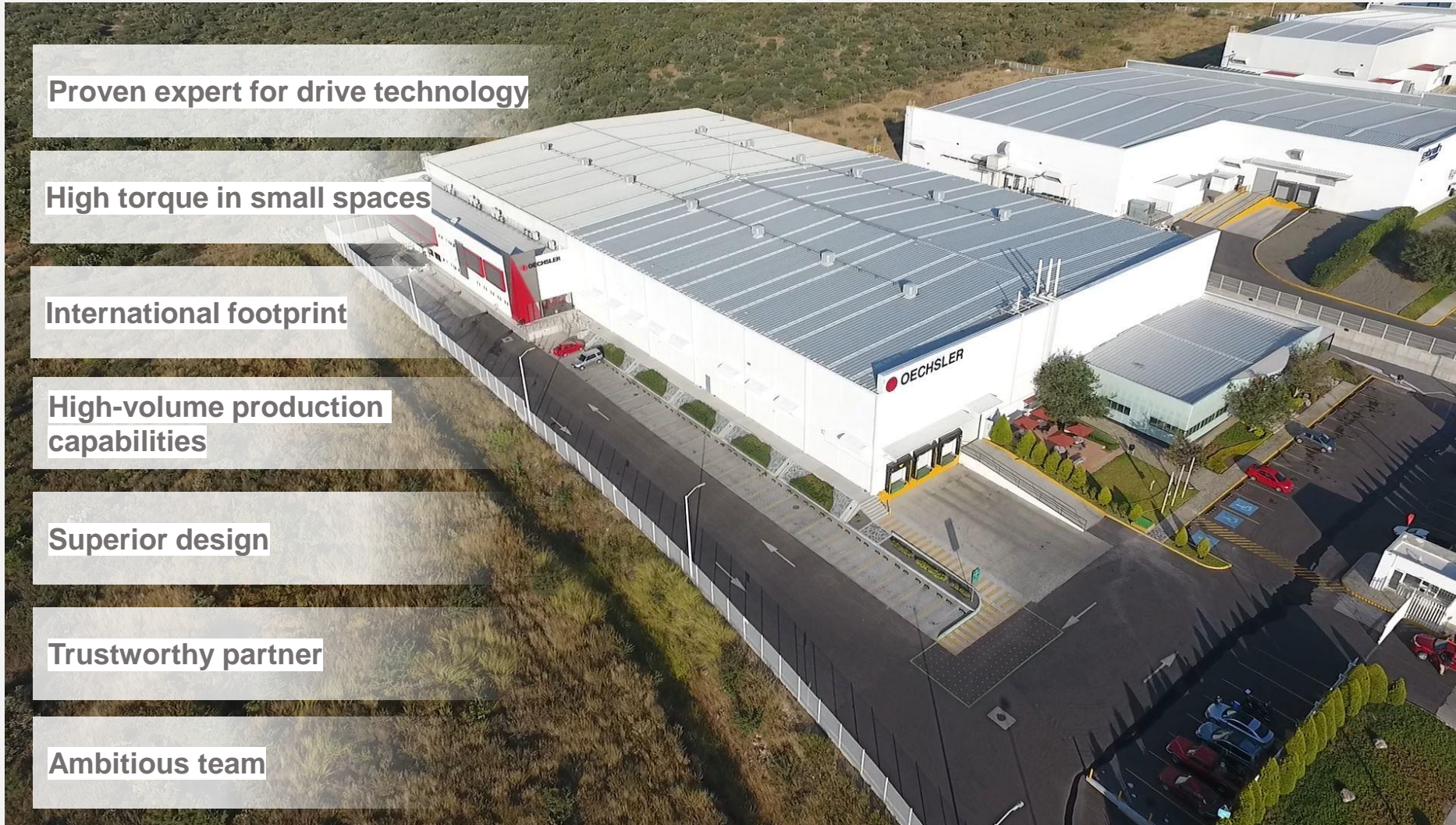
International footprint

High-volume production capabilities

Superior design

Trustworthy partner

Ambitious team



Thanks for your attention.

Any questions?

Please contact **Mr. José Oviedo**

OECHSLER Mexico SA de CV

Parque Tecnológico Innovación Querétaro
Carretera Estatal 431, km 2+200 Interior 58
Hacienda La Machorra, C.P. 76246
El Marqués, Querétaro
MEXICO

j.oviedo@OECHSLER.mx

Phone: +52 (442) 2564700

www.OECHSLER.com