



OECHSLER

Company Presentation

Agenda

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COMPANY AT A GLANCE

- Global Footprint
- Selected Customer
- Decarbonization

02

TECHNOLOGICAL CORE & PRODUCT GROUPS

- Core Technologies
- Service Portfolio
- Injection Molding
- Additive Manufacturing

03

PRODUCT GROUPS

- Actuators
- Driving assistance tech for autonomous driving

04

OECHSLER MEXICO

- Company Profile
- Molding, Special processes & Capabilities
- Tool Shop and Laboratories
- Product Strategy

05

CONTACT INFO

01 **OECHSLER AG**

OECHSLER At A Glance

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

378

MILLION EUR

TURNOVER

62% AUTOMOTIVE
34% INNOVATIVE SOLUTIONS
4% HEALTHCARE

3,000

EMPLOYEES WORLDWIDE

NUMBER OF EMPLOYEES

55% IN EUROPE
35% IN APAC
10% IN NORTH AMERICA

80 %

FAMILY - OWNED

OWNERSHIP STRUCTURE

20% INSTITUTIONAL INVESTORS

44%

REVENUE IN EUROPE

GLOBAL SALES SHARE

43% IN APAC
13% IN NORTH AMERICA

7

PRODUCTION SITES GLOBALLY



10

AWARDS WON SINCE 2018

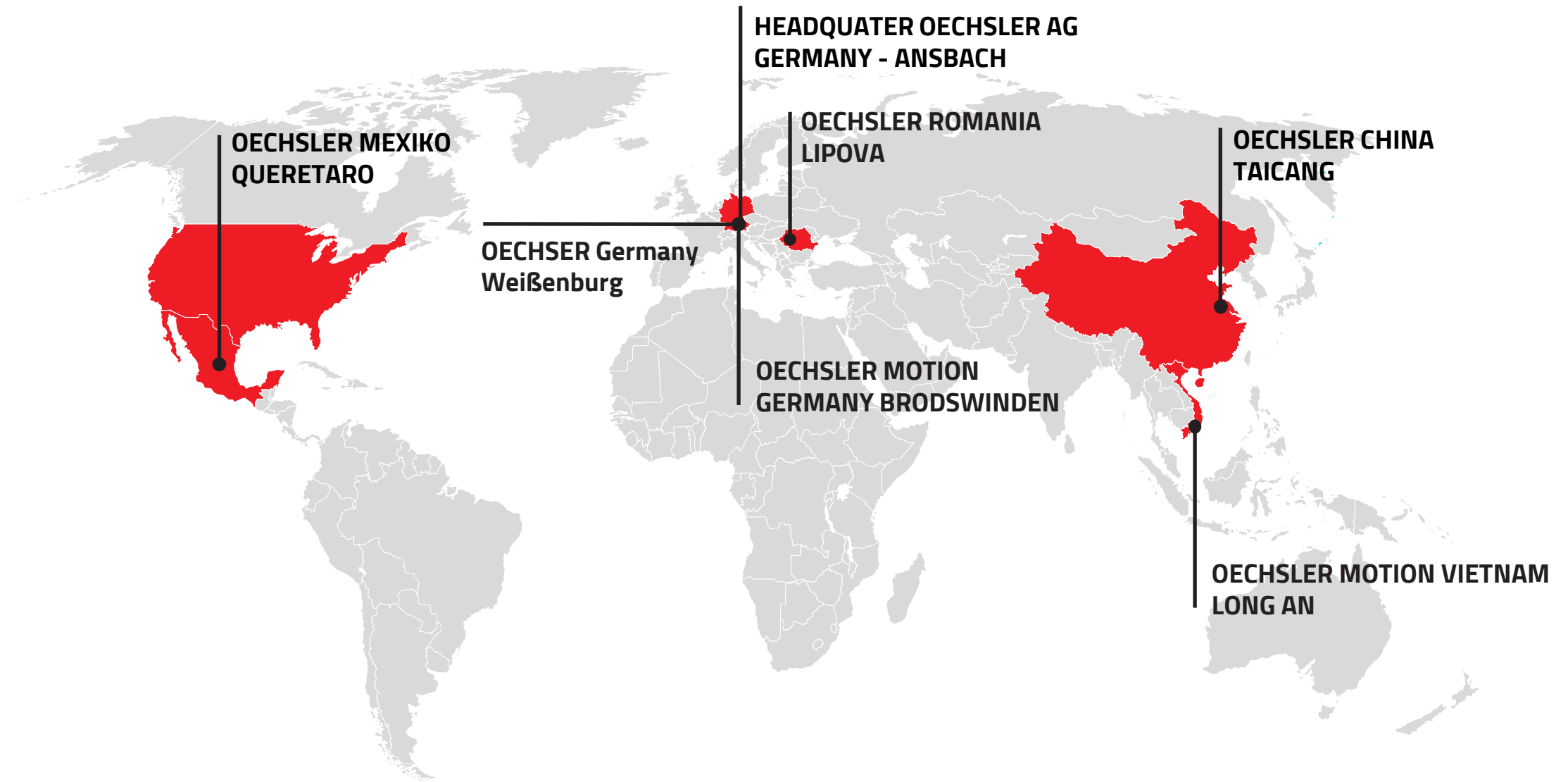
EXCERPT

2018 ZF INNOVATION AWARD
2018 BOSCH Global Supplier Award
2020 Axia Best Managed Companies
2021 Cummins Delivery Performance



Global Production Footprint

7 production sites worldwide



Reference Customers

Our customers. Our impetus.

AUTOMOTIVE

INNOVATIVE SOLUTIONS

HEALTHCARE

62%

34%

4%



BOSCH



STÄUBLI

Riddell.

3M

Dräger



IATF 16949

AUTOMOTIVE ENGINEERING

ISO 13485

MEDICAL DEVICES

ISO 9001

QUALITY MANAGEMENT

ISO 14001
ISO 45001

ENVIRONMENTAL MANAGEMENT

ISO 50001

ENERGY MANAGEMENT



Decarbonization at OECHSLER

We are committed to the Paris Climate Convention & the Goal of climate neutrality by 2040.



SCOPE 1: Increase energy efficiency

- Production process
- Infrastructure / Buildings
- New equipment
- Load control
- Control management

Insights

- Decarbonization for Weißenburg:
→ Development of an efficiency program to reduce the carbon footprint of our plant in Weißenburg to a minimum.



SCOPE 2: Emissions Own & Clean Energy Consumption

- Purchase of green electricity
- Using energy from own sources (e.g., Photovoltaics)

Insights

- OECHSLER buys green or renewable energy in the regions where it is possible. Today this applies to four plants.
- Solar in APAC & NAFTA



SCOPE 3: Product Design, Upstream & Downstream

- Reduction of emissions in purchased products and services
- Design for Environment
- Recycling & waste reduction

Insights

- Certified according to ISO 14001 (Environmental management system)
- Certified according to ISO 50001 (energy management system)

Decarbonization at OECHSLER

Current actions
ongoing in OECHSLER
MEXICO.



Daniel Kilian • 3er y demás
General Manager - Oechsler Mexico SA de CV
2 meses •



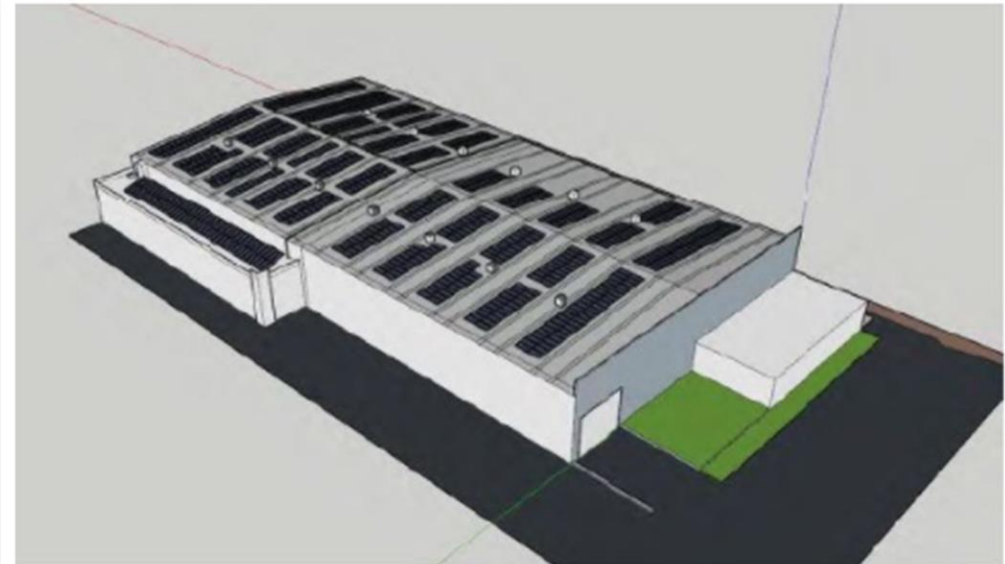
Sustainability and CO2 reduction:

OECHSLER Mexico is proud to announce its partnership with ARGIA SOLAR about the installation of a first class 500kW Solar System and a state of the art energy backup from ROLLS ROYCE.

This is our first step towards a sustainable industrial production process and will reduce our CO2 Emissions by an estimated 470 Tons per year.

In the OECHSLER group we care about the future of our 🌍

[#sustainability](#) [#co2](#) [#green](#)



50

5 comentarios

02 TECHNOLOGICAL CORE

Our Technological Core

We have built an eco-system around our core productions technologies:

INJECTION-MOLDING

- Polymer-injection molding
- Powder-injection molding
- Particle Foam - Molding

Additive Manufacturing

- Digital Light Synthesis
- Powder-Bed Fusion
- Micro-Laser Sintering

Automated Assembly

- Automotive-approved & automated assembly
- Joining technologies (e.g., ultrasonic welding, gluing)
- 100% End-of-line testing (e.g., performance testing)

Add'l Core Competencies

- Multicavity molding
- In-mold decorations
- Electronic devices (ESD - conform)
- Hybrid production (e.g., polymers & metal)
- Patch Placement

Our Product Examples

We develop and produce a wide range of products:



Actuators



Driver Assistance Tech



Automotive Interior Design



Plastic-Metal-Systems



Healthcare Devices



Sporting Goods

OECHSLER R&D Portfolio

OECHSLER provides significant R&D capabilities

Strong R&D department serving your needs

01

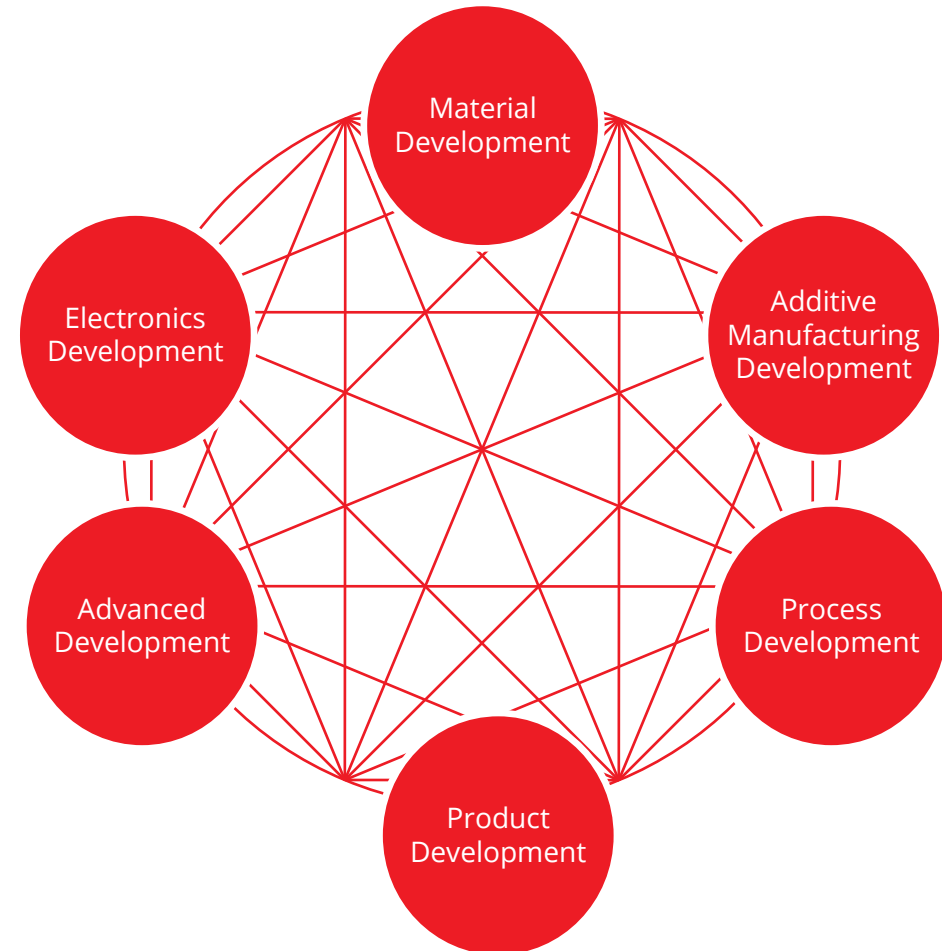
Six knowledge center working hand-in-hand

02

More than 100 engineers in relevant disciplines

03

Research Hub in Nuremberg to ensure interdisciplinary advanced development



03 PRODUCT PORTFOLIO

Actuator Drives

Expertise under one roof

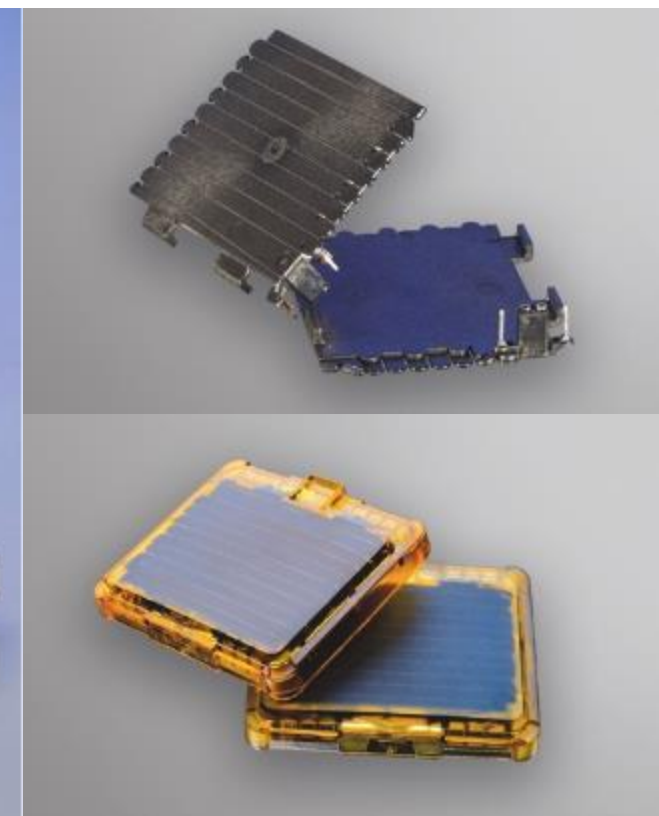
- Extensive in-house expertise in electronics and mechanics for the assessment of system solutions
- International footprint ("local for local")
- In-house mold making
- Special gearing and in-house materials database



Driver assistance tech for autonomous driving

Flexibility you can rely on

- Development expertise and a high proportion of in-house production for tailor-made customer solutions
- Design surfaces for visible installation with strict chemical-, temperature- and uv-resistance requirements
- Components with electrically conductive heating elements for the eradication of snow and ice
- In-house assembly processes for injection-molded parts and subassemblies



04 OECHSLER MEXICO

OECHSLER MEXICO

- QUERÉTARO (ESTABLISHED 2012)
- PROPERTY SIZE: ~ 14,480 M² (USED SURFACE: ~ 9,400 M²)
- SERVICES:
 - Manufacturing for automotive sector
 - Fully equipped laboratory
 - Toolshop
 - ISO 9001, IATF 16949, ISO 14001



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)



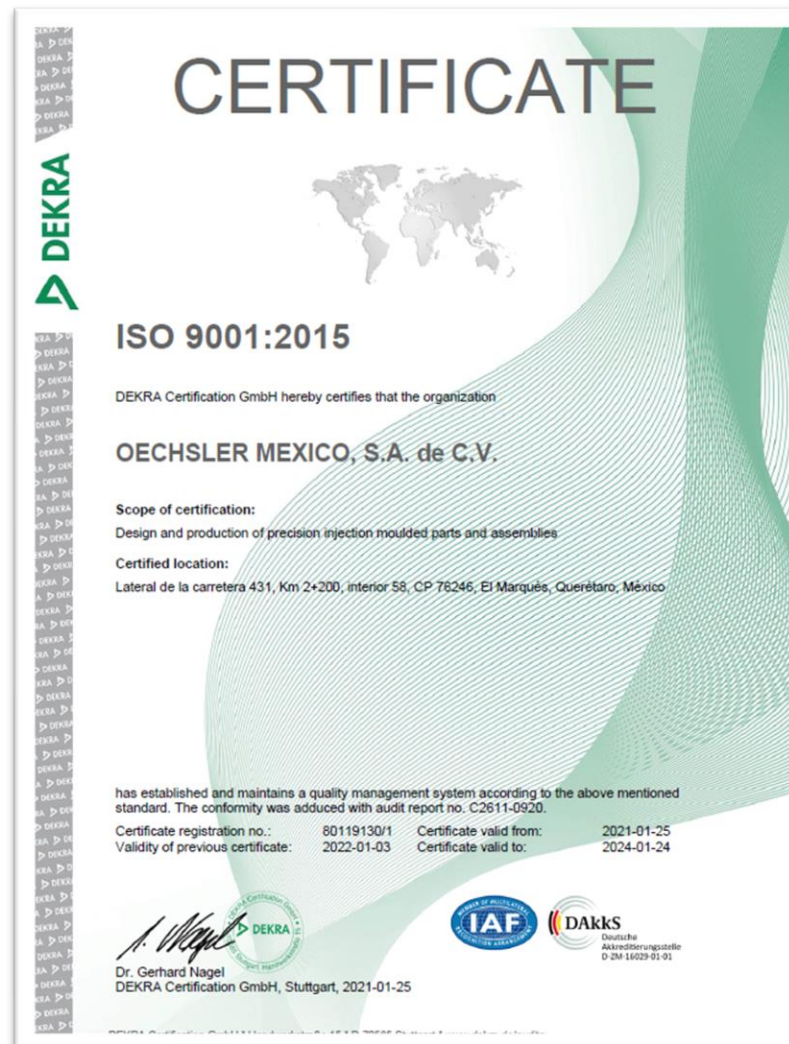
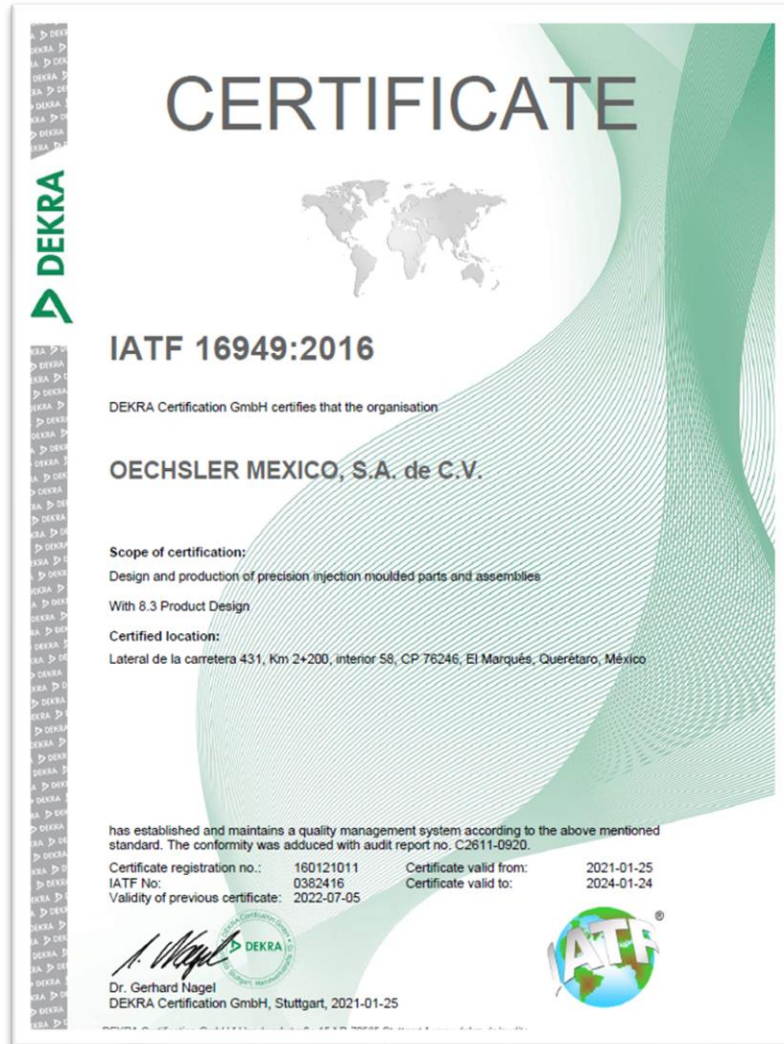
International subsidiaries

Europe, Asia, NAFTA



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

Certifications IATF 16949, ISO 9001 & 14001



OECHSLER Mexico: Molding Machines

Extended Capabilities.

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



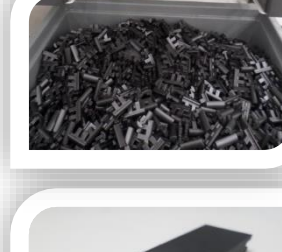
Centralized Feeding Systems.



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



**Adiabatic
Cooling Systems.**



OECHSLER Mexico: Molding Machines

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: Tool Shop

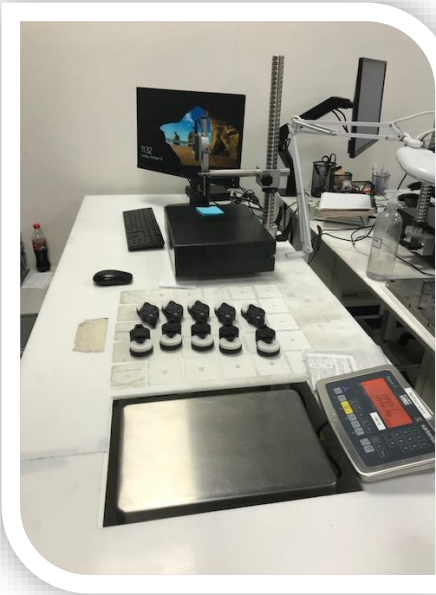


- Laser welding, grinding, electroerosion, conventional machining.

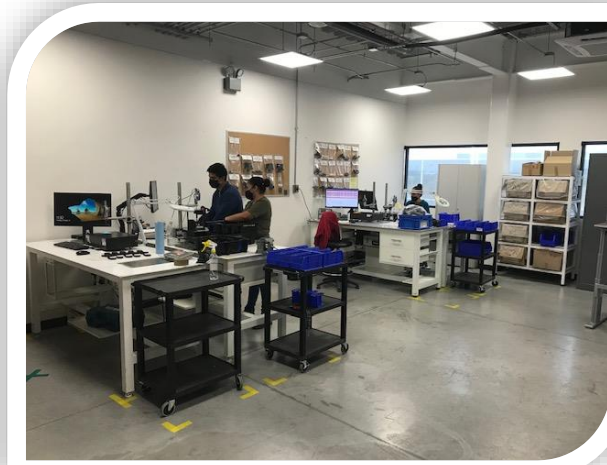


- Hot runner control, ultrasonic equipment, CMM and sand blasting.

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

Let's grow together.



Idea



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



Development



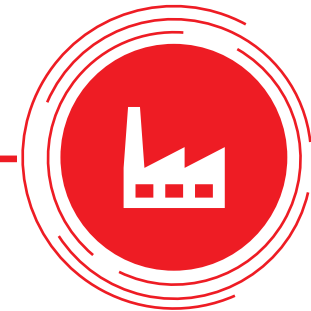
- **High Volume Plastic Parts with adding value activities** in Range from 80to to 260to Clamp Force
- **Plan ahead:** Install up from 27 to 36 injection molding machines



**(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

05 CONTACT INFO

Thanks for your attention.

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