

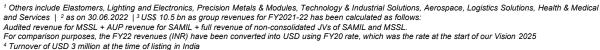
MTPMEX Presentation

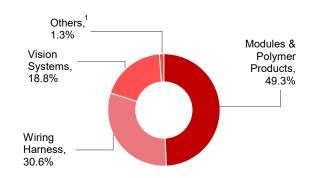


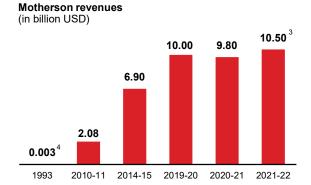
Proud to be part of the most exciting industries

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Motherson Group business divisions





01 Wiring Harness

- · Electrical distribution systems (EDS)
- Power modules
- · Electrical cabinets and power packs
- Components for vertical integration



02 Vision Systems

- Exterior mirrors
- Interior mirrors
- · Camera monitoring systems
- · Components for vertical integration



03 Modules & Polymer Products

- Fully-assembled interior and exterior modules
- · Decorative parts and small assemblies
- Tooling



04 Elastomers

- · Rubber injection moulded parts
- Rubber to metal bonded parts
- Extrusions Reinforced Hoses, profiles beading with metal carrier, etc.



05 Lighting & Electronics

- Lighting systems
- · Shock absorbers & air intake manifold
- Paint coating solutions & air compressors
- Clutch for car AC compressors & body control modules



06 Precision Metals & Modules

- Precision machining and cutting tools
- · Sheet metal parts
- Process equipment
- HVAC for off-highway vehicles, commercial vehicles, buses and driver cabin modules



07 Technology & Industrial Solutions

- Information Technology and software
- Telematics
- · Cyber security
- Cloud services



08 Logistics Solutions

- Logistics solutions for finished vehicles and components
- · Integrated packaging solutions



09 Aerospace

- · Soft/hard metal machining
- Surface treatment
- Interior polymer parts



10 Health & Medical

- Re-Timer
- Blood Analyser
- In-Vitro medical devices
- · IT solutions for healthcare



11 Services

- Industrial park
- Automotive engineering services

Serving customers globally



A global network of manufacturing facilities, engineering and design centres, marketing offices, logistic centres and sourcing hubs across the world to serve our customers globally in geographies of their presence.

Motherson is located in over 300 facilities in 41 countries

1 Argentina

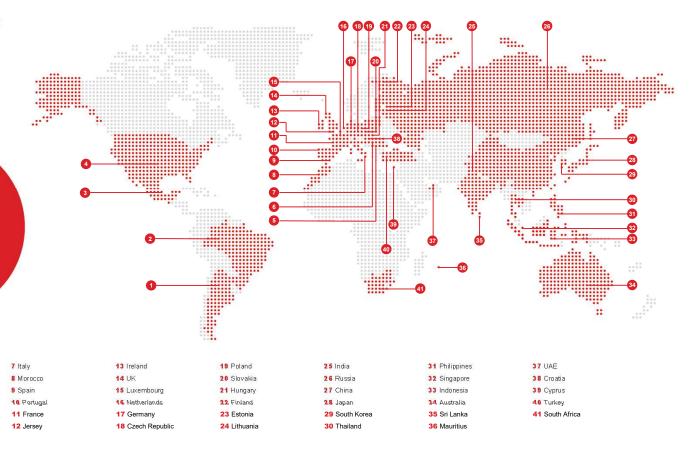
2 Brazil

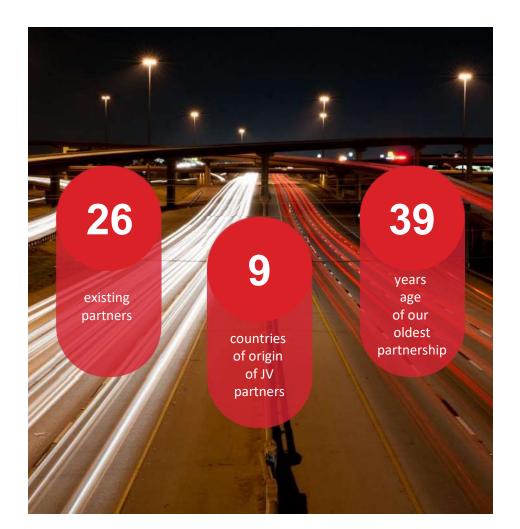
4 USA

6 Serbia

3 Mexico

5 North Macedonia





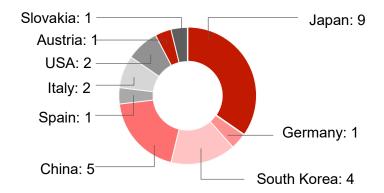


Our Collaborators

Collaborations with Technology Leaders

A partnership based approach with reputed global technological leaders with the objective of:

- Bringing new technologies for customers
- Collaborations for tested technologies
- Amalgamation for single window solutions





Vision, mission and values

New Vision

To be a globally preferred sustainable solutions provider

MISSION

- · Ensure customer delight
- Involve employees as 'partners' in progress
- · Enhance long-term shareholder value
- · Set new standards in good corporate citizenship
- Preserve the planet and seek to improve the environmental impact in all that we do

VALUES

- Be a lean, responsive and learning organisation
- Continuously improve to achieve world-class standards and total customer satisfaction
- · Proactively manage and adapt to change
- · Maintain high standards of business ethics, integrity and safety
- Ensure a common culture, behaviour and nurture pride throughout our organisation
- · Recognise individuals' contributions and benefit from our diversity
- Ensure well-being, equality and opportunity for all
- Develop stronger leadership skills and greater global teamwork
- Constantly upgrade competency levels across our organisation through collaboration and knowledge sharing programmes

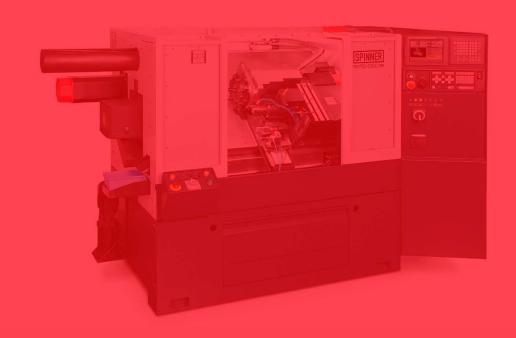
New Ambition

'We are setting the ambitious goal of becoming Carbon Net Zero across our current global operations by 2040.'



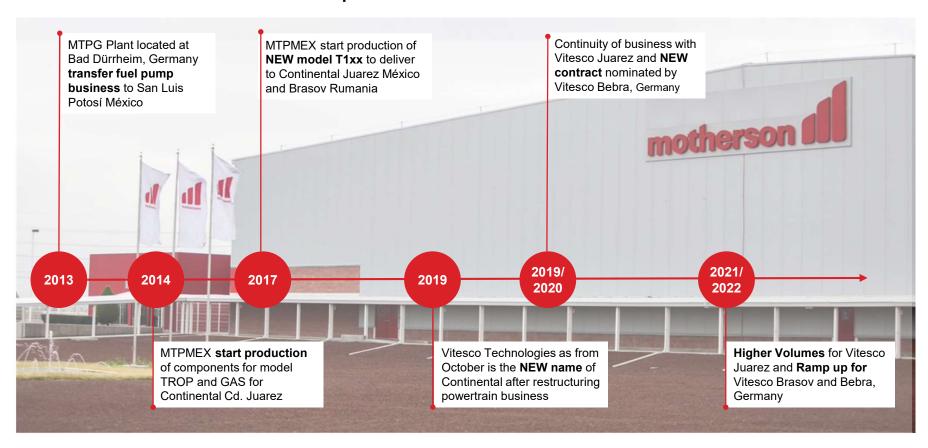
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Motherson Techno PrecisionMexico



MTPM Overview and Evolution | Historical milestones.









Motherson Techno Precision

Founded: 2013

Operation start: 2014

Annual production: 12 Mio. parts

Annual Sales: 18 M USD

Employees: 137

Total Land Extension: 22,000 m²

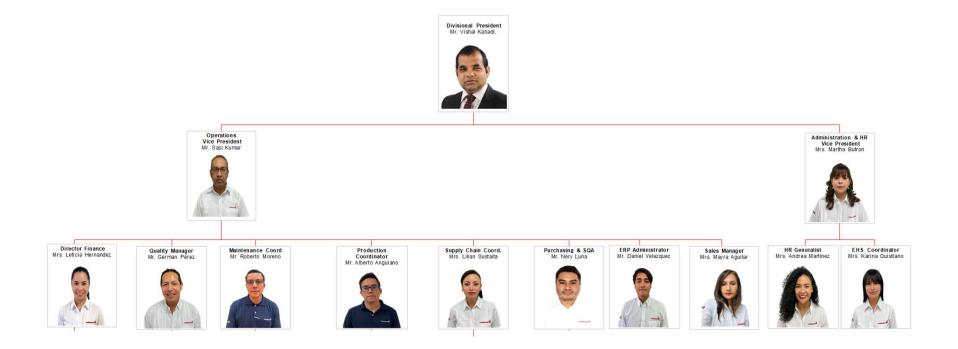
Building: 4,800 m²

For expansion: 4,000 m²

10

Organizational Chart MTPMEX





11

Current Customers



Vitesco Europe

Brasov Rumania 9.400 Km

• Bebra Germany 10.900 Km

Vitesco America

• Cd, Juarez, México 1.200 Km

Final OEM's are located in México, USA and Europe











Certifications and Awards



Customer Request:

Certificate maintenance:

- IATF16949
- ISO 14001-2015



Vitesco evaluation:

 VDA 6.3 for process audit with result 90% = Preferred suplier "A"



Vitesco evaluation:

 Motherson MTPM was nominated as "Best Supplier" due the performance during 2019





Quality Lab Scope

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Jenoptic CNC surface roughness

E0 XY= 4.5 + L/150 microns E0 Z = 3.3 + L/75 microns Measurement volume [mm] Model X Y Z 315 315 250



Micro VU Vision measurement system

E0 XY= 4.5 + L/150 microns E0 Z = 3.3 + L/75 microns Measurement volume [mm] Model X Y Z 315 315 250



Zeiss Contura

E0= 1,7 + L/350 microns Scanner for profiles Measurement volume [mm] Model X Y Z 9/12/8 700 700 800



Zeiss Accura

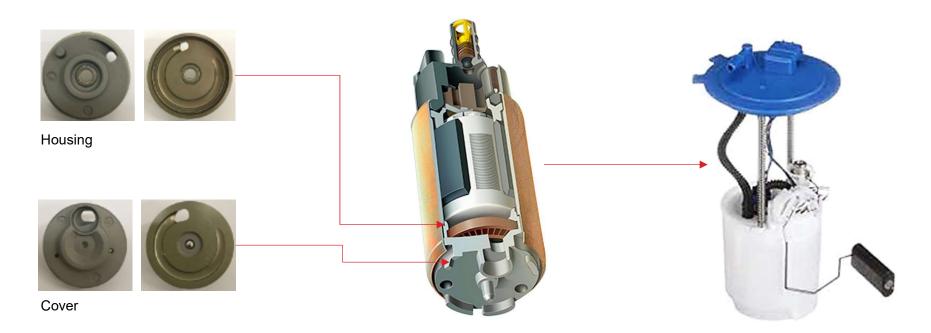
E0= 1,2 + L/350 microns
Scanner for profiles
Measurement volume [mm]
Model X Y Z
9/12/8 900 1.200 800

14

Products



Product Portfolio: High Precision Turned Parts for fuel injection pump and asembly of metalic and plastic components.





Technology

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Raw material

Machining

Washing

Visual inspection and deburring

Annodizing (outsourced)

Assembly

Visual inspection & Packaging









Current machine types	Quantity
PD_CNC_Spinner	24
PD_CNC_Spinner+ Robot	8
SB_CNC_Spinner	8
Washing machine DURR	2
Schmidt Preses Automatic	6
Schmidt Press, Manual	1

Capabilities

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Machining:

- Aluminum
- Stainless Steel
- Hard & Soft Steel
- Brass

Assembly

Future technology:

- Broaching
- Milling
- Surface Grinding
- · Centerless Grinding
- Lapping





Outsource Processes



Current:

Aluminum Hard Anodizing

Available:

- Electroless Nickel Plating
- Tin Coating
- Chrome Plating
- Heat Treatment
- Powder Coating





Machining Experience







Machines: Index MS18, Index Ms32, Index MS40, Index ABC, Index200, Traub TNX, Traub TNL12, Traub TNL26, Star SR10, SR20. Gildemeister and Sprint 65



Order Categories: Sample Orders, Medium scale and Mass production **Core Competences:** Precision parts for gas Injection, emission controls, fuel injection pump, pressure sensor, brake systems.



Raw materials: Steel, high-grade Steel, Machining steel, Aluminum, Brass, aluminum die cast, plastic (peek).

Product Portfolio: mixing chambers, shafts, die bodies, levers, compression pieces, fitting, flaps, fuel pumps, heat sinks, various couplings, quadrants, pipes, flanges

Parts Produced





20

Parts Produced









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