+maswer

The automotive industry partner throughout the product life cycle



Presentation company MASWER

Done by: MASWER México Automotive 06/11/2024



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- + Services portfolio
- + References

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Maswer Mexico team









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OEM























TIER 1

















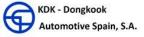




































Carretera Panamericana Km 11.2

Edificio 2 Planta Alta Plaza Boreal

Aguascalientes, México CP 20396

Ejido Peñuelas





Periferico Luis Echeverria #1582 Local 4 Plaza Dorada. Saltillo Coahuila, México



MASWER Mexico – Headquarters

Calle Tlaxco 708 Int. 10-B

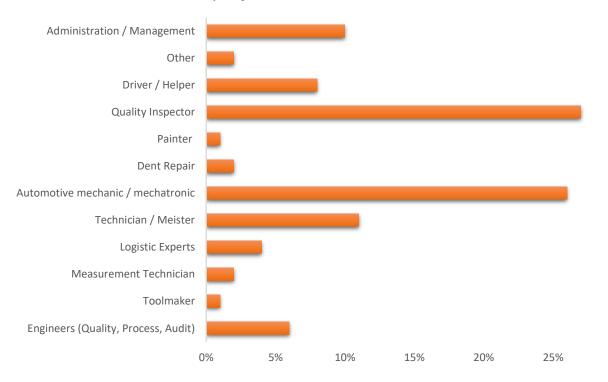
Col. La Paz

Puebla, México CP 72160



+ MASWER number of employees and qualificacion

+ Over 1000 employees Worldwide





30%



PRODUCT LIFE CYCLE Development Production Maintenance Recycling Research & Development Suppliers Logistics Production Sales Dealers & Service End of life



DEVELOPMENT SUPPORT

- Test drive
- Preparation and follow-up of test vehicles
- Fleet management
- Maintenance feasibility study
- Tool design and Manufacturing
- Product development



- PQC (Parts Quality Center)
- Control & Rework / Firewall
- Resident Enginnering
- Quality Engineering
- Technical support



PRODUCTION SUPPORT

- · Rework / Retrofit new cars
- Reflashing control units
- Modules pre-assembly
- Storage
- Productive installations maintenance



AFTERSALES SUPPORT

- New and used car repairs
- Body and paint repair
- Vehicle adaptation / accessory installation / cleaning
- Foiling
- Fleet management
- Aftersales engineering



PQC, Sorting and Rework activities







PARTS QUALITY CONFIRMATION AND CONTROL & REWORK

Carrying out quality controls, rework and pre-assembly in México for more than 6 years

- + The supervisor knows how the plant works, as well as the different interlocutors necessary to carry out the action
- + Our supervisor is in charge of speaking with the supplier of the part, in case the defect is derived from it, and manages the offer and the invoicing of the service
- + We prepare the work instruction, as well as set up our online tool for the capture and reporting of data in real time.
- Maswer ensures quality with an audit process both at the start of the service and in layers, in a fully digitized way
- We ensure that the work areas comply with our quality systems, as well as the specific needs of our client.







Parts Quality Confirmation







https://youtu.be/9w8fOQ18XeY

TRACEABILITY AND QUALITY MANAGEMENT: THIS IS HOW MASWER GUARANTEES THAT THE VALUE CHAIN DOES NOT STOP:

Our online platform allows customers to verify 'non-conformities' at any time through data and reports from the company's inspectors.

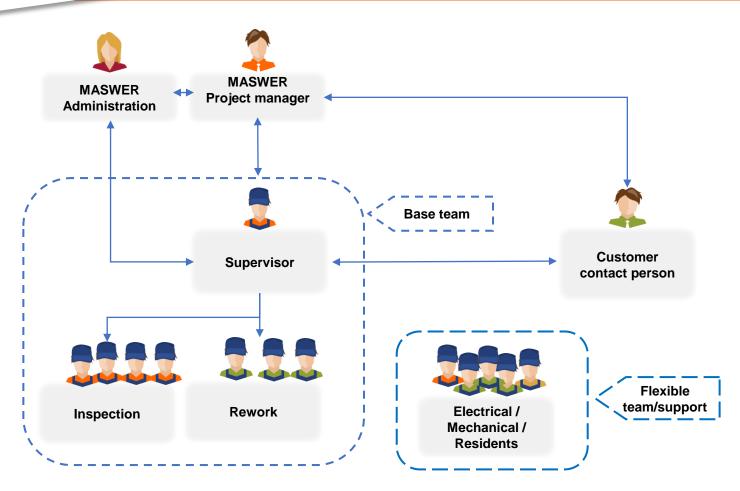






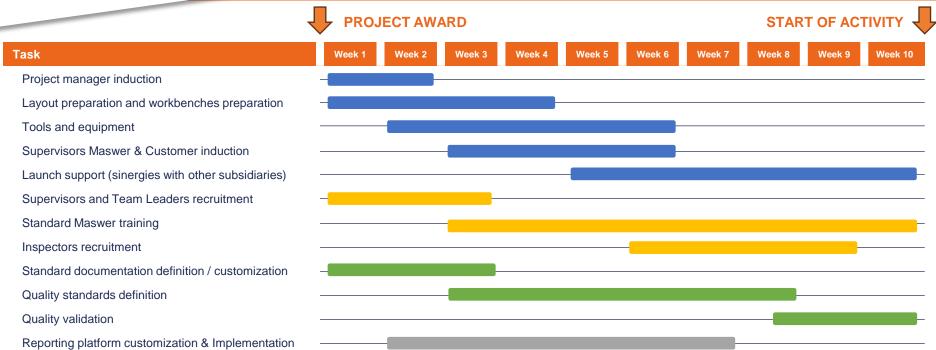
CUSTOMER REPORT







Ramp up process



LEGEND





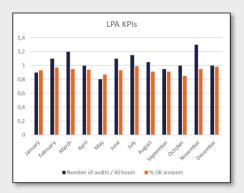
Layered process Audit - Digital with QR Code

Documentation & Lay-out & Identification & Method

Supervisor & Project Manager & Operations Manager & Quality Manager

KPIs

- Number of audits / 40 hours
- % OK answers



Action plan

- Live document
- Analysis non-conformities
- Definition of responsibilities
- Weekly follow-up

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Quality dashboard

- Monthly projects launched
- Monthly audits
- Internal incidences
- Quality claims
- Number of suggestions for improvement
- Response time suggestions for improvement
- Monthly implemented suggestions for improvement

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Quality Management MASWER AG

- MASWER AG and the accordant subsidiaries are ISO 9001:2015 certified.
- Quality Management at MASWER is not just a necessary requirement, it is an accepted and called up part of our daily work within all company levels.
- + There are standardized processes for
 - + offer preparation
 - project management
 - customer claim management
 - + customer satisfaction management
 - + etc.

+ Types of Audits

- + external certification audits ISO 9001:2015
- + internal Audits of MASWER QMB
- + layered process audits by project managers, shift leaders, etc



CORE TOOLS

- + APQP: Advanced Product Quality Planning
- + PPAP: Production Parts Approval Process
- + FMEA: Failure Modal and Effects Analysis
- + SPC: Statistical Process Control
- + MSA: Measurement System Analysis

ProfessionalTraining





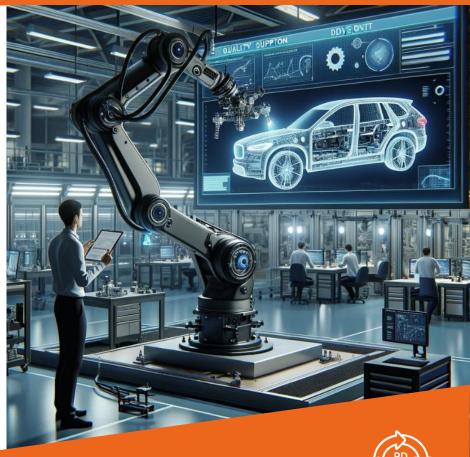
Quality engineering

We are experts in Quality Management! From the reactive part of the process up to the quality problem root cause:

- + Quality Engineers / Consultants with high experience in the automotive sector
- Training on quality tools and standards
- + Direct contact with production line and supplier's base
- + Supplier development
- + Trouble Shooting
- + Update issues in customer's supplier tracking database
- + Involvement in quality and logistic claim investigation
- + 8D report analysis and validation
- Follow-up of counter-measure to avoid quality and logistic claim recurrences
- + Production line preventive audits in high-risk parts and suppliers
- + Homologation process (PPAP / APQP)
- + Process audits (VDA 6.3 / QSB / Q1 ...)

+60

Quality Engineers worldwide





Parts Quality Confirmation



- + Real time capturing of the data
- On time analysis of the evolution of the control or rework (Evolution and Pareto charts, or complete data of the activity)
- + Digital signatura of the instruction sheet
- Access from anywhere with any device (mobile, Tablet or computer)
- History of all the activities performed by Maswer for the customer
- Possibility to share the information with any person requested by the customer

eRetrofit



- + Scanning of 100% of the units that enter in the tent (Zebra mobile system)
- Scanning of real working time applied by every mechanic per repair
- + Control of project downtime caused by:
- + No vehicles available in the bays
- + No parts available to make repairs
- Real time information is discussed with customer leader daily to improve the process
- MASWER Quality Assurance System: Supervisor gives final ok in the system of each vehicle. System keeps full traceability of MASWER activity.

datadrive



- Complete digitization of taxiing tasks by drivers
- + Systematic complete digitization of functional guidelines/tests
- Secure data entry using tablets
- Web environment for data management and analysis
- Vehicle maintenance/analysis management in a systematic and traceable manner
- + Dashboard for tracking findings (tickets / Alpos ..)
- Advanced data analysis to cross-reference relevant information (software / loads / model)



Experiences with OEMs and suppliers



Assistant Support 0074 – 2 Administration support – 3 years project Steering support 0105 – 2 Enginnering positions – 3 years project Administrative Support 0097 – 2 positions – 3 years Redaction Support 0120 - 2 editorial people staff supporting this area IT-HUB - SAP - Support SAP MPS - 8 Specialists



+350 technicians (Tech1, Tech2, Quality inspectors, Drivers and Welders), and possibility of escalation in case of new projects





Complete vehicle validation – VW Group Spain confidential station Electromechanical repair Leon / Formentor – Seat Martorell Test driving press vehicles – VW Navarra Supplier development program - SEAT & Audi Electromechanic retrofit support for VW



3CPR (Sorting & Rework activities) Since January 2024 Mechacnical activies since november 2023 in Zaragoza plant Diagnosis and repair electrical problems in Rüsselsheim plant – 1500 vehicles

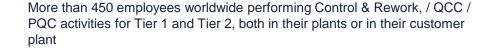






















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