



WEB AUTOMOTIVE



INSIDE WHAT
YOU SEE
AND BEYOND





WEB AUTOMOTIVE

Founded in Caserta more than 30 years ago, Web Automotive has been a discreet partner for large companies operating in automotive sector.

The company has consolidated its technical department and invested in continuous training to deal with car component quality and safety problems.

As automotive and logistics experts, we offer a wide range of services, including resident and assembly assistance and inventory management.

Leading automotive players have already chosen us

Web Automotive's support for the leading players in the sector is highly qualified in every aspect.

From its operators, mechanics, PRODUCT AND PROCESS ENGINEERS professionalism to its advanced software diagnosis and electronic reprogramming tools.

In addition to being a STELLANTIS coded supplier, the company has long held accreditation for CSL activities.





(FOR A LONG TIME) Web Automotive has expanded its business beyond Caserta. The company has nine Italian and three worldwide offices and more than 100 business partners. Its growth results from the sacrifice of many people committed to their work and creating a hyper-connected network that eliminates distance and acts promptly.

It is not just about the obvious. Quality occupies more than one space.

Web automotive's targeted solutions involve external and internal car elements, using customer-shared processing cycles, ranging from a simple visual check to a thorough computerised technical analysis – tyres, bodywork and lighting systems, and the most miniature internal gears.

Every component is thoroughly analysed by company computers and examined to ensure quality and long-term efficiency.

"Safety first" is our philosophy, but ensuring high performance is also crucial. That's why we are very thorough, dare we say "perfectionists." This is not a flaw but a condition without exception when it comes to certification.

It means two constant exercises flexibility and remaining competitive.

Keeping up with innovations, staying up-to-date, and being competitive in multiple areas. At Web Automotive, we must keep up with the times to support our customers. Sometimes, it is even necessary to go beyond and adopt more advanced technology.

We provide constant tutoring for our in-house technicians and our customers' staff. We train process auditors ready to deal with any unforeseen event, acting in a targeted and timely manner.

Automotive is not our only daily business: logistics is on our agenda. We have become experts in storing incoming and outgoing goods, managing inventories and internal flows. We have learnt that the only way to be competitive is to optimise every process while containing management costs.





TOTAL CONTROL





Without guarantees, there is no quality

Guaranteeing quality on behalf of its customers has always been Web Automotive's mission. We have turned responsibility into devotion – what we guarantee bears our partners' name not ours. Any user, whether in the industry or not, understands how serious this task is. That's why we want to be the best industry partner, supporting customers as they manage their production processes, checking their development activities and solving any technical problems.

Safety first

End-user safety is behind our work. This awareness makes Web Automotive's mission more than just an objective but a target that must be hit without excuses. Metaphorically, we are a comfortable car that drives long distances, optimises energy consumption and never goes off the road.

Customers can feel they are in good hands because we guarantee safety.





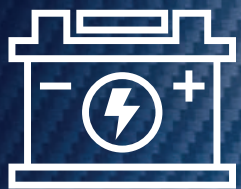
Tangible and professional resources

We support automotive and logistics companies even in emergencies. At Web Automotive, we want every service to meet the customer's specific needs. Our targeted assistance on request involves any car model, type of component or motorisation, on Italian, European and worldwide storage yards. Sometimes, however, companies may have to cope with a temporary lack of personnel or need additional operators during production peaks.



With our reputation at stake, we make commitments, instead of advertising

Web Automotive is a tangible and constant resource, which includes supplying personnel. Our team comprises technicians, operators, engineers and mechanics ready to work alongside the customer's staff in the workshop and warehouse. Our vision is simple: achieving quality requires commitment and perseverance, no matter who gets the credit. When everyone wants to prove themselves to the world, we only care about demonstrating that to our customers. We are confident that one of the most important values is practicality.



FULL ENERGY





ASSISTANCE

Control, stability, will

Technical support has always been our company flagship.

Web Automotive was set up to assist companies in the steps leading up to the final vehicle delivery, offer diagnostic support and help in person and remotely.

We rely only on technicians with proven experience, selected from the most promising young people, and accompany them on the professional excellence process.

Each Web Automotive Resident has undergone a lengthy selection process and practical studies on the best work methods.

SQE – Supplier quality engineer

Web Automotive's Supplier Quality Engineers work with suppliers to ensure that deadlines and quality standards are met.

SQEs are responsible for:

- ▶ *Controlling product testing and verifying the operating standards. (GP12, CSL1, CSL2 and finished product sequencing).*
- ▶ *Following up supplier development projects.*
- ▶ *Carrying out periodic visits to plants and preparing reports.*
- ▶ *Managing process and system audits.*
- ▶ *Knowing and applying APQP procedures.*
- ▶ *Defining and supervising improvement plans.*

Customer-premises based activities

At Web Automotive, we offer different types of assistance to suppliers to support them during the production process. Our resident engineers are highly qualified and versatile professionals ready to coordinate resources, analyse data, and offer immediate technical assistance.

Web Automotive resident engineers deal with:

- ▶ *First and second-level fault analysis.*
- ▶ *Technical assistance in visual, instrumental and non-destructive quality control.*
- ▶ *Implementing policies aimed at increasing KPIs.*
- ▶ *Train staff in quality management and tools.*
- ▶ *Planning and organising work according to customer required activities.*
- ▶ *Liaising with quality managers, distributing up-to-date and accurate data.*



ASSISTANCE

Control, stability, will

Targeted restoration works

Anomalies or design defects can occur during car production.

At Web Automotive, we specialise in providing technical support to deal with non-conformity issues.

Restoration is quickly carried out and with the utmost discretion.

Over the years, we have trained our engineers to practice the best restoration methods for mechanical and electronic components.



In-line assembly assistance

Web Automotive's technicians assist the customer's staff during the machining and assembly of components.

Experts in manual and automated production plant lines monitor operations at the station and follow transfers, instructing and directing the supplier's technicians.

They deal with:

- *Control the supply quality (GP12, CSL1, CSL2 and finished product sequencing).*
- *Carry out visual, dimensional, electronic and mechanical checks.*
- *Perform software updates and reflashing.*
- *Outsourced quality management.*
- *Start product rework.*
- *Perform Tutorship and Flying Doctor activities.*
- *Carry out restoration in workshops and yards in Italy, Europe and NAFTA countries.*
- *Perform technical-specialist works for metrology and laboratory activities.*
- *All metal welding.*

Software diagnosis and reprogramming of electronic components

Our technical department is equipped with diagnostic tools and electronic components for programming, reading and modifying vehicle configuration (proxy), data acquisition and diagnosis on the vehicle or bench.

Particularly:

- *Vehicle electronic diagnosis, error memory reading, software label reading.*
- *Vehicle ECU software updates and reprogramming. Use of DIAnalyzer software.*
- *Use of CDA software.*
- *Logistic mode deactivation and activation procedures.*
- *Software download via DIAnalyzer, CDA and USB.*

Recently, we filed a patent for our remote diagnostic communication and firmware update device for ECUs, equipped with LTE CAT-M1 technology.

This provides diagnostic data, and allows remote and secure updating of vehicle ECUs.



FLEXIBLE SKILLS



LOGISTICS

Versatility, flexibility, fluidity.

Automotive sector products are works of considerable complexity and comprise many parts and components from multiple suppliers outside the manufacturer. The material's correct handling is crucial for the effective and efficient management of the production cycle and maintaining the sector's high-quality standards.

Inadequate logistics management compromises the finished product and can have negative repercussions on the company's accounts. Web Automotive is aware of the value of organised logistics, just as it knows that data analysis and KPIs (Key Performance Indicators) have become a priority for optimising transport activities and supply chains.

Our team has many years of experience in warehousing goods and managing inventories and internal flows.

We analyse key performance indicators and set performance targets, such as time, costs, productivity and quality.

Process Audits

Web Automotive auditors assist in workshops and storage facilities.

Each process auditor:

- ▶ *Controls production orders.*
- ▶ *Ensures punctuality in the processing of components.*
- ▶ *Monitors and explains delivery delays.*
- ▶ *Controls deployed resources (workers, equipment, tools).*
- ▶ *Tracks production batches.*





LOGISTICS

Versatility, flexibility, fluidity.

Storage of incoming goods and outgoing picking

Picking is selecting and picking materials belonging to different loading units and is a significant expense for any company. Investing in applied technology and relying on expert staff helps optimises procedures and reduces costs.

Web Automotive's technicians specialise in the management of automated warehouses and offer optimisation strategies to store goods and outgoing picking. The aim is to eliminate errors, inefficiencies and latency times by exploiting management software and facilitating picking and unloading operations.

On request, our employees provide tutoring for staff to improve KPIs.

Key indicators used for monitoring include:

- ▶ *Rejected orders to purchase orders ratio.*
- ▶ *The time between order receipt and issue date (lead time).*
- ▶ *Transport costs for sales.*
- ▶ *Unit storage cost.*
- ▶ *Delivery and turnover rate.*
- ▶ *Stock breakage rate.*

Inventory management and internal flows

Our staff is specialised in using key warehouse management software (WMS - Warehouse Management Software), particularly SAPmanagement software, one of the most widespread and reliableERPsystems.

Correctly using the available functions, we plan strategic analysis, monitor information flows (orders and stocks) and technical data, such as bills of materials, catalogues, processing cycles and accounting.

We use remotely piloted aircrafts (APR), better known as drones, to optimise time and resources. Drones make it possible to carry out more accurate technical inspections of racks, to manage inventories quickly and identify the location of goods that are difficult to reach.



RIGHT SOLUTION





TUTORSHIP

Solution, brain, intelligence.



WEB AUTOMOTIVE

Tutorship activities

Today's car manufacturers have made quality a real mantra.

The only way to beat the competition is to strive for excellence at the design and production stages.

Despite the conscientious care taken with every component and the choice of reliable suppliers, it is impossible to eliminate unpleasant surprises.

Technical difficulties, minor design faults or a sudden malfunction can slow down production cycles and cause considerable losses to companies.

Various Tutorship stages

Web Automotive offers continuous technical support and tutorship, online and in person at customers' plants and workshops.

The tutorship provided by Web Automotive is divided into two stages. During the first step, one of our tutors collects and analyses the data provided by the customer via computer, checking whether the work can be carried out remotely.

When this is impossible, a Flying Doctor comes into play to provide on-site assistance.



TUTORSHIP

Solution, brain, intelligence.



Flying doctor for immediate solutions

The Flying Doctor The Flying Doctor is a specialised technician trained by Web Automotive's expertise. They have the best equipment and are the perfect partner for quick solutions.

The Flying Doctor is a professional role that has recently been introduced to the automotive sector. Specialising in the maintenance of carbon fibre, Flying Doctors were repair technicians for Boeing aircraft.

Lamborghini was the first car manufacturer to request them. In 2008, after creating the Aventador LP 700-4, the first model equipped with a carbon monocoque, vehicle maintenance became much more complex. This is why, after having "borrowed" Boeing's technicians, the automotive sector has acquired and specialised its own Flying Doctors.

Continuous training for internal resources

Flying doctors are helpful for the early diagnosis of specific problems, carried out directly at the supplier's premises. They can train the customer's internal resources through specific courses, such as:

- ▶ *Training on products and components.*
- ▶ *Production line training.*
- ▶ *Training on handling previously recorded quality problems.*
- ▶ *Training in electrical diagnostics.*
- ▶ *Training in mechanical diagnostics, carrying out road tests of returned components.*

Web Automotive invests more than 250 hours in training annually.

Some of the main customers who benefit from our tutorship include:

Marelli, Continental, Snop, TRW e Magna.



HIGH PERFORMANCE





TESTS

Energy, autonomy, endurance.

If there is one term that defines the success of an automotive product, that term is **reliability**. No matter how beautiful, fast, prestigious or innovative a car, it cannot succeed without **reliability**.

The way to achieve this is anything but simple and inevitably involves a long and elaborate testing process.

These checks ensure that every single part manufactured by the suppliers conforms to the parent company quality standards. In addition, they allow the correct guidelines to be drawn up for a redesign if there are defects.

Web Automotive supports first and second-tier suppliers, and assists the design office with measurements and document management. Our verification activities include assembly tests at production sites and qualification tests, including material control procedures and certifications.

Approval tests/Production Part Approval Process (PPAP)

The Production Part Approval Process (**PPAP**), is used to determine compliance with customer requirements. It ensures that the supplier's production process can maintain standards during production. It is an approval that the component supplier must obtain and which includes all process phases.

Advanced Product Quality Planning (**APQP**) is a procedure closely linked to **PPAP** and aimed at project management that defines the steps, stages and results that will guide the development of components.

Assembly and qualification tests

Electronic components, instruments and applications for cars require a safety guarantee. European directives and international regulations for component qualification require tests to be carried out in accredited laboratories. This is a mandatory process leading to final approval by Notified Bodies.

Among the most common qualification activities and tests are:

- ▶ *Electromagnetic compatibility tests for electrical and electronic components installed in vehicles.*
- ▶ *Suitability tests for the RTTE directive.*
- ▶ *Electrical and electronic safety tests.*
- ▶ *Notified Body activities.*

In addition to these tests, there are assembly tests to understand whether the mechanical, electrical or electronic component can perform all its predetermined tasks once it has been installed.



ITALY

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CASERTA (CE)
CASSINO (FR)
MARANELLO (MO)
MELFI (PZ)
MODENA (MO)
POMIGLIANO (NA)
SETTIMO TORINESE (TO)
TORINO (TO)



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GLIWICE
BIELSKO-BIALA
KATOWICE



TURKEY

BURSA



SERBIA

KRAGUJEVAC



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ZARAGOZA
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