

DIAGNOSTICS, TELEMATICS & TOOLS

# jaltest AGV

CATALOGUE



jaltest  
BY COJALI

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LEADING DIAGNOSTICS &  
TECHNICAL SOLUTIONS

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COJALI





# JALTEST AGV //

Jaltest AGV is a Multibrand and Multisystem diagnostics tool developed to perform the most advanced agricultural machinery, equipment diagnostics and maintenance tasks in an easy and intuitive way.

Jaltest is not limited to reading error codes on vehicle systems, it also features bi-directional controls and guided troubleshooting.

Jaltest after-sales support is focused to deliver professional services to the workshop through:

1. Technical Assistance.
2. Training & e-Learning.
3. Specialised Customer Support.

# NEW LINK V9 //

## **FASTER CONNECTION RATE (BAUD RATE).**

Improved performance and communication with a speed increase in the data transfer and processing, both in VCI-PC and VCI-system.

## **USB AND SUBD26 CONNECTOR PROTECTION (POKA YOKE MODEL).**

Protection and integrity of the connectors that have a mistake-proofing design.

## **ROBUST ELECTRONICS AND ENHANCED COMMUNICATION CAPABILITIES.**

Greater connectivity, new supported communication protocols and extended multiplexor.

## **IMPACT ABSORPTION.**

Design with a rugged covering that cushions small bumps, protects against scratches and enables the seal closure of the device, preventing the inlet of dirt and water (IP40).

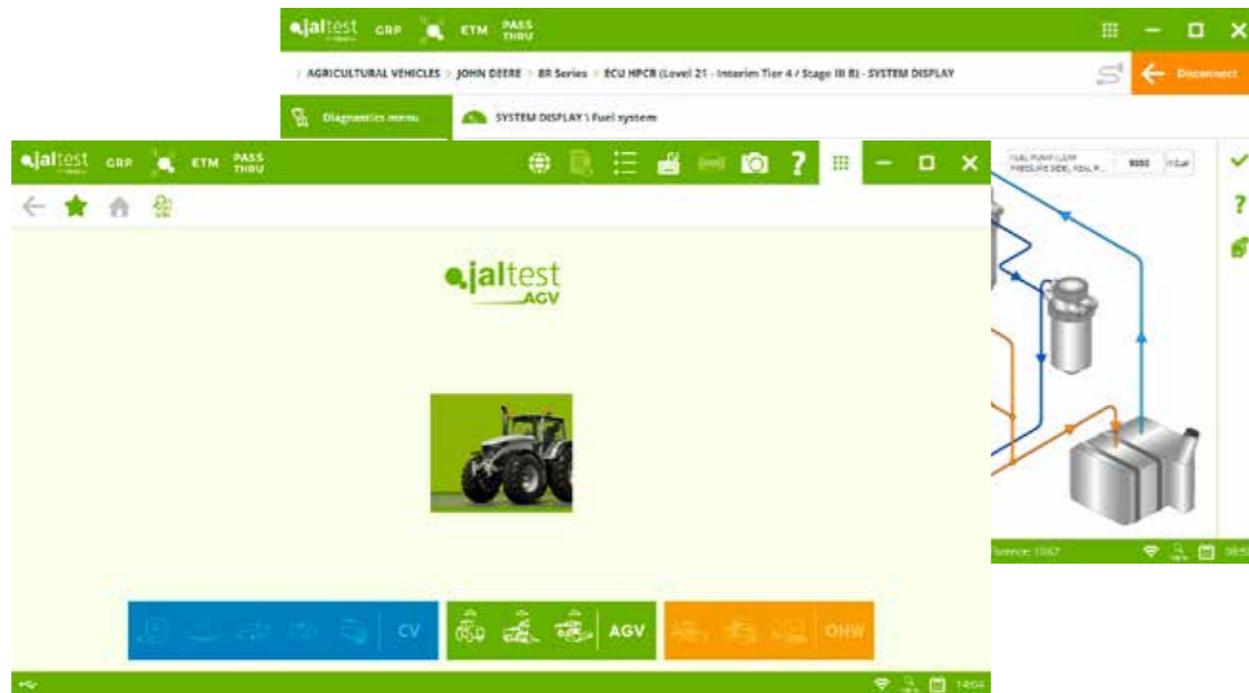
## **COMPACT AND LIGHT.**

Reduced weight, Jaltest V9 is 76% lighter than its predecessor. It offers the possibility of attaching a lanyard to facilitate the use of the device.



**LIGHTER,  
FASTER,  
BETTER**

# NEW GRAPHIC INTERFACE //



MORE VISUAL,  
MORE INTUITIVE

## FAST INSTALLATION AND HANDLING.

Optimized software to reduce the installation and update time, as well as a shorter response time.

## CUSTOMISABLE.

Responsive design that adapts to all screen types and sizes. It enables the user to configure the shortcuts, customise the working area and define the visualisation according to the user needs.

## EVERYTHING IN ONE SINGLE DISPLAY.

It offers the user all the information they needed one single display. It enables them to visualize the maximum number of functions, make a search, etc.

## ELEGANT DESIGN WITH BRIGHTER COLOURS.

Clean, minimalist and elegant design to favour the visualisation of graphics, icons and colours.

## MULTIBRAND AND MULTISYSTEM COVERAGE

Jaltest AGV is the benchmark in the agricultural vehicle sector due to its great advantages and possibilities to be able to perform an effective diagnosis in agricultural vehicles.

Following the functionalities of the rest of Jaltest modules, this version is completed with a great coverage of brands, systems and technical information, as well as a wide range of cables to make a direct connection.

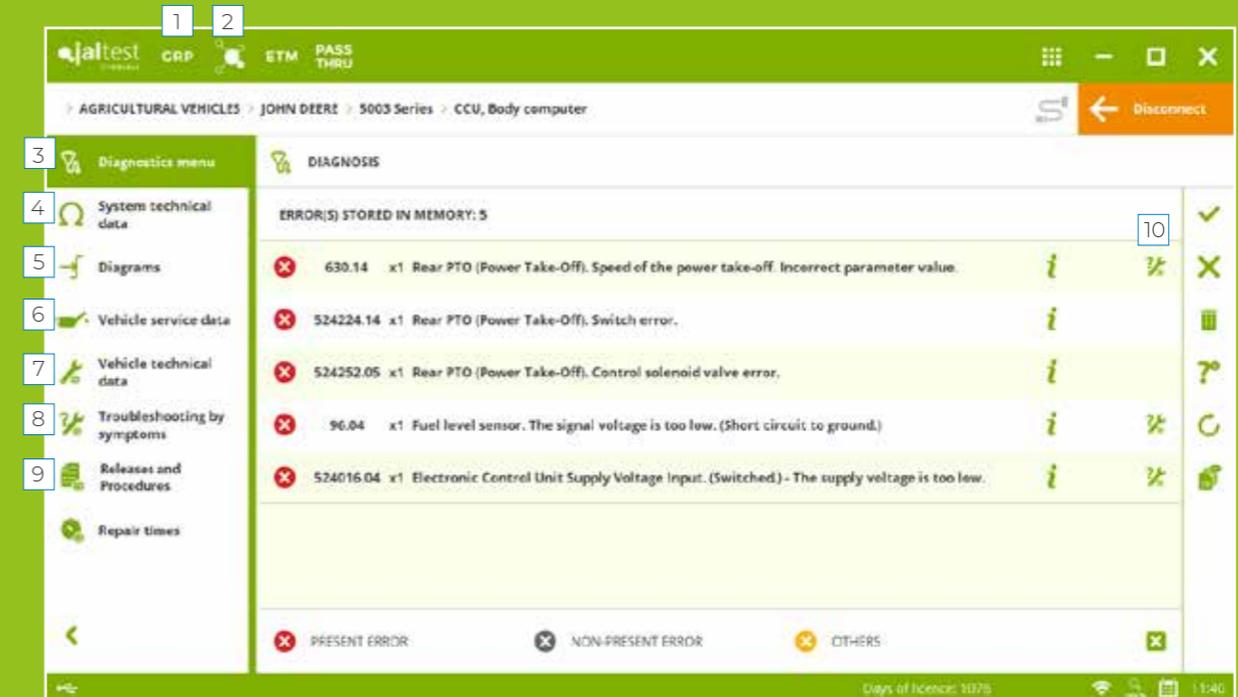


Jaltest unparalleled Agricultural Equipment diagnostics coverage sets up an industry leadership with the most extensive and detailed coverage. Functionalities and new brands are included in updates scheduled every 4 months using flexible and market-oriented focus.

COVERAGE // UP TO 49 BRANDS			
CASE IH	DEUTZ - FAHR	JOHN DEERE	MASSEY FERGUSON
CATERPILLAR	FENDT	KUBOTA	NEW HOLLAND
CLAAS	JCB	LANDINI	VALTRA

## MORE THAN DIAGNOSTICS

With Jaltest, technicians will have access to a wide range of functionalities which will guide them through the equipment repair process:



These are some of the features that make Jaltest the Industry's Leading Diagnostics tool:

1. GRP (Garage Resource Planning). Workshop and Customer/Vehicle Record Management.
2. i-PARTS ASSIST. Cross-referencing platform. Installation guides.
3. Diagnostics Menu.
4. System Technical Data.
5. Wiring diagrams, and fuses and relay boxes.
6. Vehicle Service Data.
7. Vehicle Technical Information.
8. Troubleshooting Guides by symptoms.
9. Technical Releases.
10. Troubleshooting Guides by Fault Codes.

# SOFTWARE //

## GUIDED DIAGNOSTICS

Jaltest provides the necessary information to repair agricultural equipment breakdowns in an easy and effective way.

1. Component technical data.
2. Wiring, system and fuse diagrams.
3. Machine service data for equipment inspections.
4. Equipment technical data.
5. Troubleshooting by symptoms of the most common failures on the equipment.
6. Releases and procedures with manufacturer information.

JALTEST GUIDES YOU WITH  
ADDITIONAL INFORMATION  
TO ASSIST IN THE REPAIR  
PROCESS

Freeze-Frame data.

Help and components of the error.

Component information and location.

System wiring diagram.

Troubleshooting by symptoms.

Troubleshooting details.

Fault Code Troubleshooting.

## BEST-IN-CLASS REPAIR GUIDES, ONE CLICK AWAY

### JALTEST INFO

Detailed technical information including images, pictograms, graphics, diagrams and pictures for every vehicle to be diagnosed. This information will help to identify the error code, the part, the location, etc. In this complete module we can find:

1. Diagnostics (troubleshooting by error code).
2. System Technical Data.
3. Diagrams.
4. Vehicle Technical Data.
5. Vehicle Service Data.
6. Troubleshooting by symptoms (diagnostics).
7. Releases and Procedures.
8. Manual Diagnosis.



JALTEST INFO IS  
THE BENCHMARK  
TECHNICAL INFORMATION  
IN THE MARKET

## JALTEST DELIVERS RESULTS, AS SOON AS THE VEHICLE ENTERS THE WORKSHOP

## JALTEST GRP

GRP is an optimized workshop management solution. Share customer information, vehicle data and diagnostic reports, work order management, labor times and access to Jaltest Telematics solutions.

### GRP BASIC.

- Client list.
- Reports (diagnosis, maintenance).



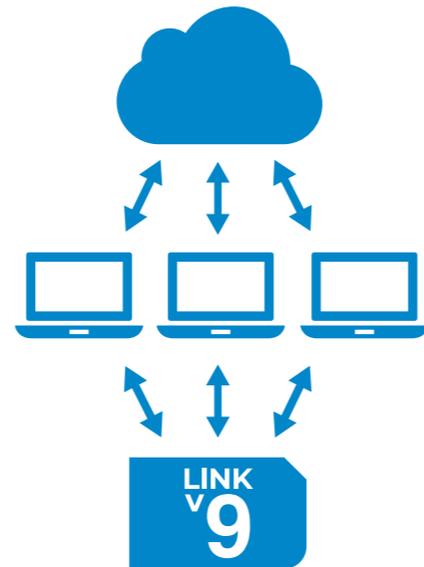
CLIENT LIST.



REPORTS.

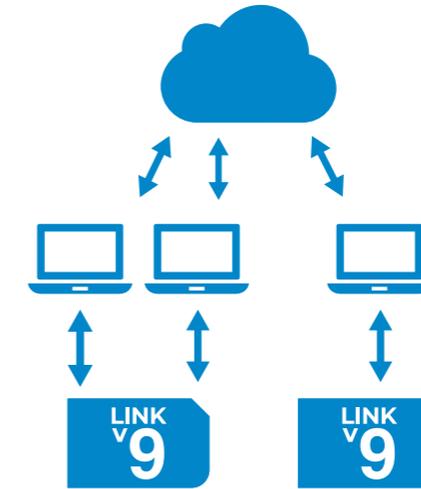
### GRP SYNCHRO.

- GRP Basic.
- User accounts control (10 maximum).
- Data synchronisation between multiple PCs (same Jaltest interface).
- Information Back-up.
- Human Resources.



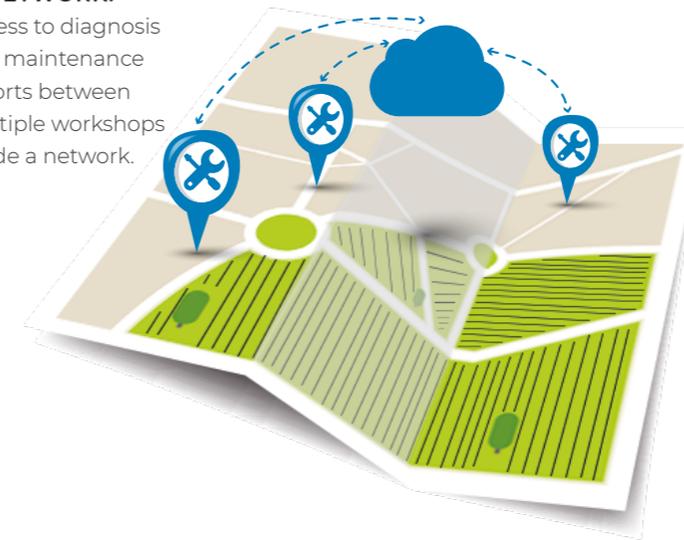
### GRP ENTERPRISE.

- GRP Synchro.
- Workshop Management Module.
- Reception Module.
- My Tasks Module.
- Jaltest Telematics Module.
- Data synchronisation between PCs (same company).
- Work order reports.
- User accounts control (unlimited).



### GRP NETWORK.

- Access to diagnosis and maintenance reports between multiple workshops inside a network.



## GRP MODULES DESCRIPTION:

### CLIENT LIST.

Management of customers for a workshop or a network of workshops.

### REPORTS.

Management and consultation of all reports generated by Jaltest: diagnosis, maintenance, work order, workshop time.

### WORKSHOP MANAGEMENT.

- Work orders.
- Task.
- Workshop time reports.

### MY TASK.

Each user can manage the assigned tasks easily by this menu.

### RECEPTION.

- Reception forms.
- Work orders management.

### HUMAN RESOURCES.

Intended for the management of the workshop's staff.

### JALTEST TELEMATICS.

Link between the fleet, workshop and tractor driver. It allows the user to receive notifications and alarms sent by the fleet manager.

**1. INTERACTIVE WIRING DIAGRAMS.**

While navigating over the wiring diagrams, the components are outlined and the technical information including, relevant documents, technical data, comments and location, can be directly accessed.

**2. SYSTEM OPERATING DIAGRAM.**

Understanding how systems work can be a complex task. Jaltest provides the pneumatic, electrical and fuel schematics with their corresponding technical values, images, locations and much more to speed up the technician's work.

**3. SYSTEM DISPLAY.**

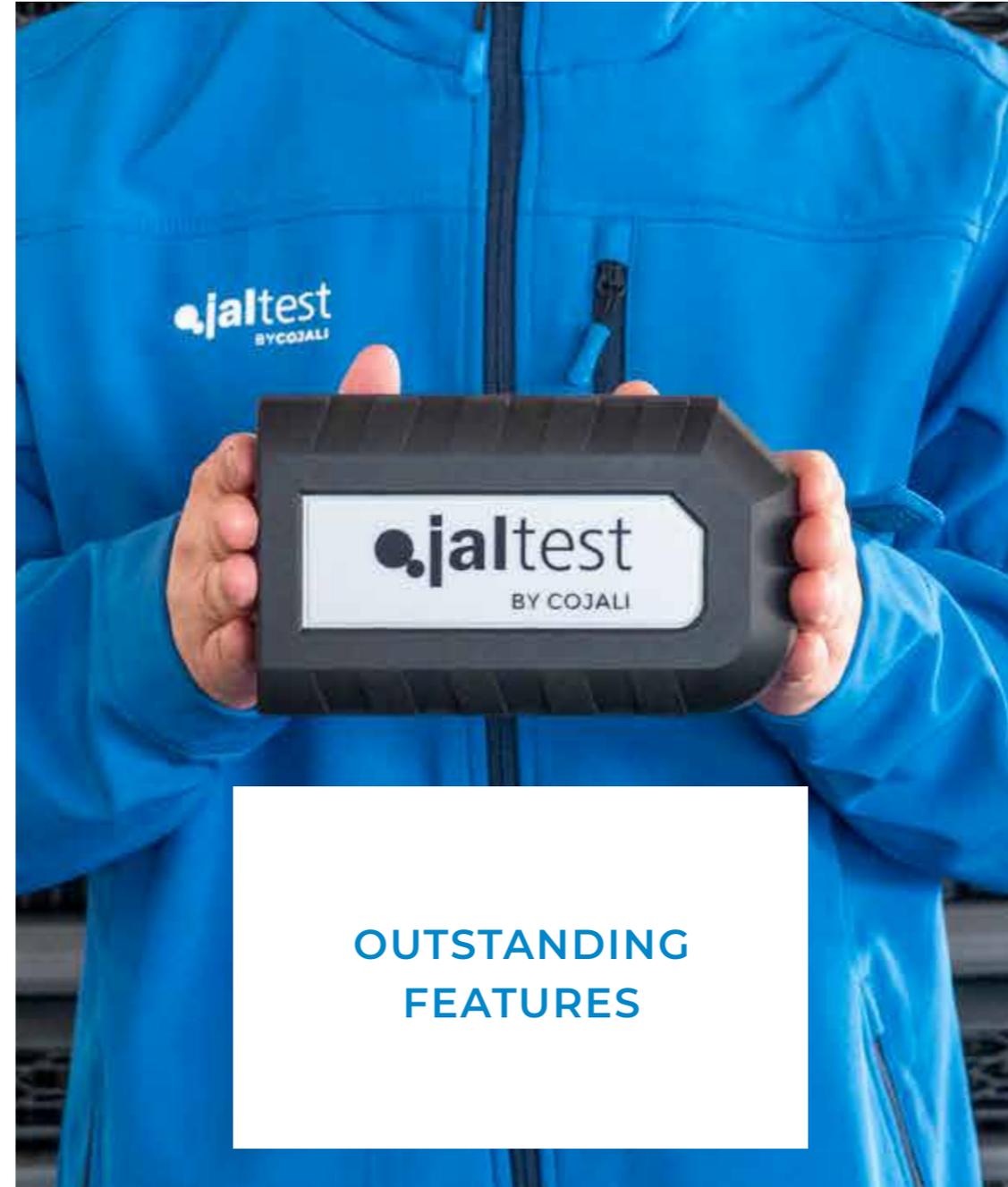
Real-time live data display on vehicle schematics. It enables a fast assessment of the functioning of the system.

**4. VIRTUAL INSTRUMENTS / GRAPHS.**

Visual aid for the technician to check values and understand the actual status of any system available in the vehicle.

**5. SYSTEM SCAN.**

This function allows the user to auto-detect the available systems in the selected model. During the Auto-detection, error reading of every available system takes place including their identification data. Later, every error found can be cleaned.

**6. FLEET CUSTOMISATION.**

This function will allow customizing your fleet. Create new brands specific to your market by selecting the systems included in the vehicle. Add connectors, location, images and comments.

**7. DIAGNOSIS BY NUMBER PLATE.**

Once the customers and vehicles portfolio has been created, the access by number plate is fast and easy.

**8. SHORTCUT TO SPECIAL FUNCTIONS.**

Optimize repair times at the shop with direct access to relevant repair processes.

**9. TECHNICAL DATA AND PROCEDURES.**

The experience of Cojali's Technical Assistance team has allowed the classification of the most relevant technical data of the vehicle.

## JALTEST EXPERT MODE

Jaltest EXPERT MODE offers advanced diagnostic possibilities for the workshop. With EXPERT MODE, the technician is able to carry out actions that require modifying parameters on different ECUs:

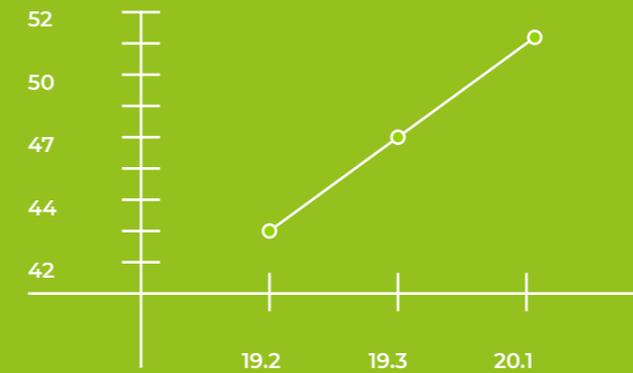
1. Calibration of sensors and actuators (VGT actuator, EGR valve, transmission systems, rear lift, etc).
2. Setting of the system operation parameters (Injector coding, spool valves number programming, etc).
3. Configuration of the vehicle maintenance services.
4. Verification of systems functionalities.
5. Replacement of diesel particulate filter.
6. DPF regeneration.
7. More...



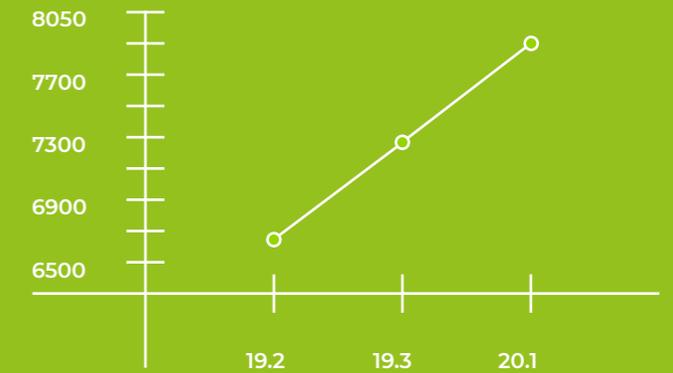
## CONSTANT INNOVATION

New equipment, models and systems are being developed constantly. This is why Jaltest AGV releases three software updates each year, offering your business industry-leading diagnostics solutions.

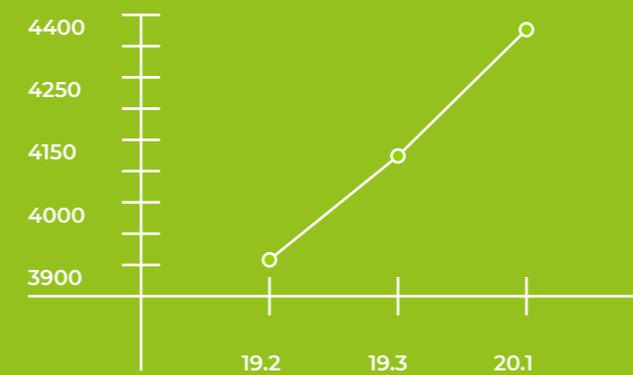
BRANDS



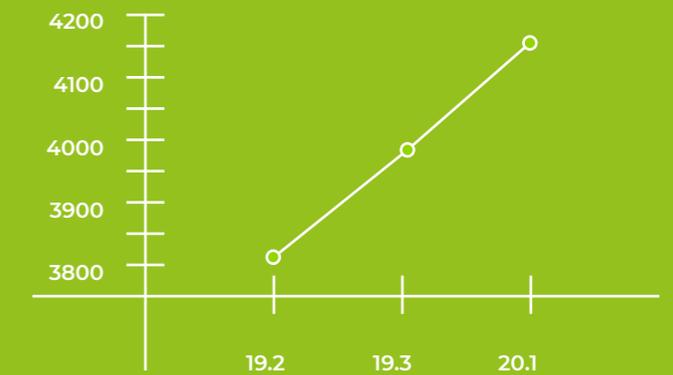
SYSTEMS



TECHNICAL INFO



DIAGRAMS



THREE ANNUAL  
SOFTWARE UPDATES

# COVERAGE //

## AGRICULTURAL EQUIPMENT

Jaltest is placed as a benchmark in this market by launching an application with great advantages and possibilities for an effective diagnosis on agricultural vehicles. Following the functions from the other Jaltest modules, Jaltest completes this version with a great coverage for brands, systems and technical information, as well as with a wide range of cables for direct connection.

## JALTEST KITS ARE CLASSIFIED BY SECTOR AND COVERAGE



THIS COMPREHENSIVE COVERAGE MAKES THIS KIT THE MOST POWERFUL DIAGNOSTICS UNIT ON THE MARKET

1. COVERAGE FOR TRACTORS, COMBINES, FORAGE & GRAPE HARVESTERS, TELEHANDLERS AND MORE.
2. ALL COMMUNICATION PROTOCOLS ARE SUPPORTED.
3. INTUITIVE AND QUICK SOFTWARE INTERFACE.
4. AUTOMATIC DETECTION OF SYSTEMS AND ERROR CODES.
5. TROUBLESHOOTING BY SYMPTOMS AND ERRORS HELP.
6. INTEGRATED TECHNICAL INFORMATION, WIRING DIAGRAMS, TECHNICAL DOCUMENTS...
7. SCHEDULED UPDATES AND LATEST DEVELOPMENT IMPLEMENTATIONS.
8. CALL-CENTER FOR TECHNICAL AND PRODUCT SUPPORT.
9. TRAINING & E-LEARNING.
10. I-PARTS ASSIST. CROSS-REFERENCING PLATFORM. INSTALLATION GUIDES.
11. GRP - GARAGE RESOURCE PLANNING.
12. VEHICLE BRAND CUSTOMISATION.





## JALTEST KITS

Jaltest Diagnostics offers unparalleled diagnostics and technical solutions for a wide range of industry professionals.

With our diagnostics kits, our customers are able to keep trucks on the road, tractors on the field, machines at the construction site and boats on the water, while minimising downtime and maximising revenue for their business.

# HARDWARE //

All Jaltest products have been designed to meet the demands and needs of the workshop mechanics and the most demanding road assistance needs. They are designed and built to face any extreme work or weather conditions.

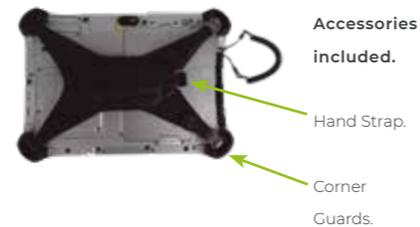
## JALTEST RUGGED PC.

- Windows 10 Pro.
- Exclusive design that improves resistance.
- MIL-STD 810G category certification.
- Liquidresistant keyboard/ touchpad.



## JALTEST RUGGED PAD.

- 10" Rugged Tablet with Windows 10 Pro.
- Daylight-readable Display with Gloved Multi Touch + waterproof digitizer pen.
- User-replaceable Battery and Optional Long-Life battery.



## JALTEST HARDWARE SOLUTIONS.

The tool's heartbeat, programmed to convey information with all communication protocols in a quick and efficient way.

### LINK V9



### CABLES



## JALTEST ACCESSORIES.

Additional equipment offered to the workshop in order to perform their daily tasks in an easier and more comfortable way.

### WORKSTATION



### HARDCASE



# SERVICES //

## THE CHANCE TO TURN YOUR WORKSHOP INTO A TECHNOLOGICAL CENTRE IS IN YOUR HANDS

### TRAINING

To perform diagnostics, repair or maintenance tasks, today's technicians do not only require mechanical knowledge. Today, new vehicles with new electronic systems demand a continuous training turning our skills into a great working tool, in order to deal with any kind of vehicle as new as it may be.

For this reason, Cojali has created an exhaustive training plan, comprising both theory and practice. This training plan is multilanguage and it may be taught in Cojali's training classrooms or in any other location. Moreover, it has been designed with an e-learning format to follow the course on-line from any place.

### COURSES



-  **DIAGNOSTICS**
-  **ELECTRICS**
-  **PNEUMATICS**
-  **ENGINE MANAGEMENT**
-  **GEARBOX**
-  **COMFORT SYSTEMS**
-  **BRANDS**
-  **TRAILER**
-  **LIGHT COMMERCIAL**
-  **AGRICULTURAL**
-  **JALTEST SPECIALIST**
-  **SYSTEM SPECIFIC**



## TECHNICAL ASSISTANCE

This kind of support is essential to solve certain vehicle breakdowns. Technological developments require the technician to update their knowledge regularly. Cojali offers a specialised support based on the experience of our technicians and the development of technical information for agricultural vehicle systems.

Jaltest customers worldwide continue to trust with our specialised technical assistance service; this service includes the possibility of remote assistance connections to solve our customers' doubts, immediately.

**jaltest**  
AGV  
AGRICULTURAL VEHICLES

### DIAGNOSIS CENTRE



cojali

## CUSTOMER SERVICE

A human team will be at your service to offer all the information about Jaltest you may need.

1. Software Update and Innovations.
2. Update release calendar information.
3. Device license management.
4. New products, hardware and software.
5. Special offers and promotions.
6. Invoices and purchase orders.
7. Shipping management.

# COJALI //

Cojali is a Spanish multinational company and a leading manufacturer of cooling systems, braking systems, electronic components, multibrand diagnostics and telematics for commercial vehicles, agricultural equipment, construction machinery and marine vessels.

Established in 1991, Cojali focuses on research, development and innovation for commercial vehicles in the aftermarket, offering high quality products just as the OEM.



## COJALI PRODUCTS

### COOLING SYSTEMS.

Cojali is a leading manufacturer of fans and viscous fan clutches for all types of commercial, agricultural equipment and off-highway machinery. Our catalogue offers a wide range of brands in the European, Asian and North American markets.



### AIR BRAKE SYSTEMS.

Cojali manufactures one of the widest ranges of braking systems for commercial and agricultural applications, among which we can find mechanic, pneumatic and electronic systems, such as clutch servos, actuators and other types of valves.



### ELECTRONIC & ELECTRICAL COMPONENTS.

A constant growth within our R+D+i Department allows Cojali to keep investing in the development of this type of product, where electronics covers a large part of the spare part for commercial vehicles and agricultural equipment.



### RECONDITIONED PRODUCTS.

Reconditioning of elements with electronic control, subject to strict quality controls. It is a complex and thorough process, since all the part components that might be worn are replaced by new ones, in addition to the renewal of the electronic part and the subsequent reprogramming or parameter setting, depending on each case.





## JALTEST TOOLS

New range of Jaltest Tools products designed to supply the workshop with a high-quality professional equipment and consistent with the current digital technology.

Combined with Jaltest, the leading multibrand diagnostics tool, it will provide new business opportunities and a simple and guaranteed service for the end customer.

This new ecosystem of solutions will facilitate the most advanced diagnostics tasks and maintenance of the vehicle and machinery, in a simple and intuitive way, not only at the software level, but also at the manual and tasks check level.

1. ADAS calibration equipment.
2. Electronic Simulation Benches.
3. Special repair tools.
4. Electronic equipment.



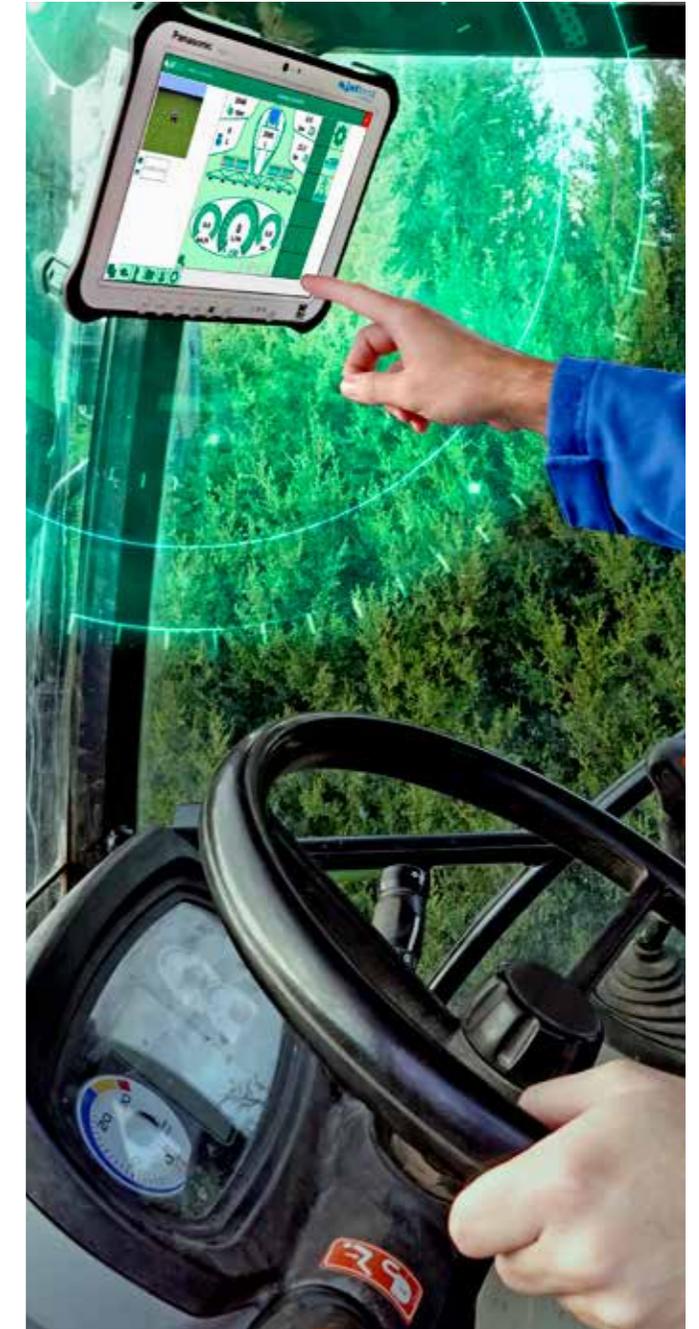
## JALTEST ISOBUS CONTROL

Jaltest ISOBUS CONTROL offers connectivity solutions between implement and tractor for all types of implements. This solution introduces the digitalisation of agricultural production processes, in order to manage the resources efficiently and enable the agricultural to be more accessible and easier to implement.

Based on ISOBUS technology (ISO 11783), this solution has the following as its main objectives:

1. To ensure complete compatibility between tractor and implement regardless of the manufacturer.
2. Automation of agricultural processes.
3. Optimisation of time, resources and machines.
4. Maximisation of agricultural production and cost reduction.
5. Acquisition of efficient data to aid in the decision-making process and in future season planning.
6. Real-time control of cultivation and agricultural machines.

Jaltest ISOBUS CONTROL is a flexible and functional solution, which helps to achieve the maximum performance of agricultural machinery, to successfully and comfortably manage a productive and efficient business adapted to new technologies.





## i-Parts ASSIST

i-Parts ASSIST, is Cojali's latest Parts Support Program aimed towards the workshop.

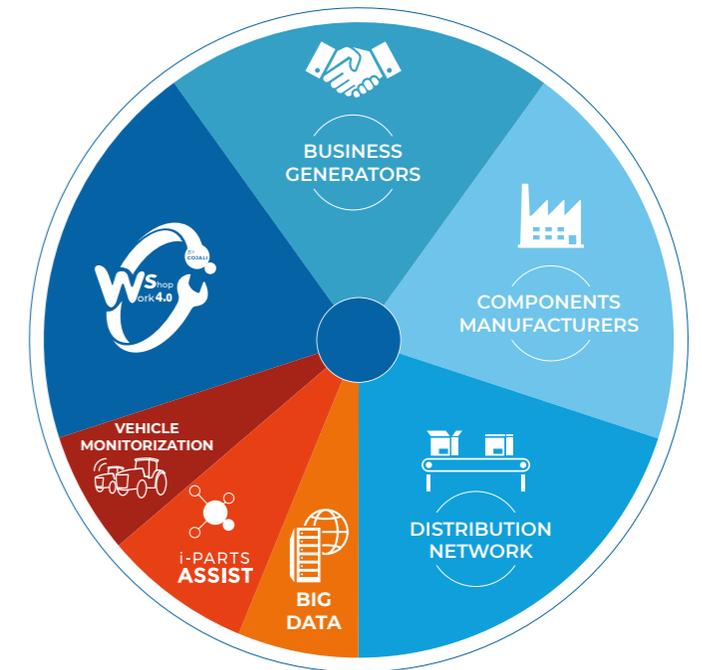
Through a series of guides and video tutorials, the workshop is capable of easily carrying out the installation of components that may require reprogramming or the use of diagnostics tools.



## WORKSHOP 4.0

A set of solutions and services that connects workshops, fleets and spare parts supplier in order to perform predictive maintenance and a professional, fast and efficient repair through Jaltest diagnostic tools, Telematics and Cloud Diagnostics, and latest generation components for commercial vehicles.

Workshop 4.0. is distinguished by offering Training services, Vehicle Fix support, Consulting and Support for the installation and reprogramming of components (i-Parts ASSIST).



## JALTEST TELEMATICS AGV

# TELEMATICS, CLOUD DIAGNOSTICS AND MACHINERY MANAGEMENT. A SOLUTION FOR EVERYTHING

From Jaltest Telematics, we develop ad-hoc projects for OEMs and companies of Agricultural sector that require customized solutions adapted to their particular needs.

Our solutions, among other values, allow our customers, through the adapted projects, to:

1. Know the essential information of both the machine and the task executed.
2. Perform diagnosis and measurement reading of machinery remotely in real time.
3. Design, plan and control the agricultural seasons.
4. Perform comprehensive agronomic management of the agro-holding.



### € COST CONTROL:

It is possible to assess the economic impact that the customer supports, derived from the investment in fuel, raw material, breakdown time, inactivity, etc.

### ↗ INCREASE IN EFFICIENCY:

Having complete data, directly from the tractor and the implement in real time, makes the solutions of our customers, the ideal tool to detect trends and performance levels, being able to take actions in order to increase the efficiency of the machinery.

### 📣 COMPREHENSIVE CAMPAIGN PLANNING:

Ad-hoc projects will allow us, among others, to group tasks by seasons according to their activity, with the creation of crop plans with different tasks, machinery, products, plots, beyond the needs that the project explicitly requires.

📄 · Based on other projects, we develop solutions so that the task management can be planned: Control of data generated by the task controller, including performance data, task management and prescription maps.

👤 · Workers control: Management of tasks according to their status (completed, in progress, stopped and planned), thus allowing a better planning and control of the tasks to be performed and the workers.

🏠 · Management of machinery and material: Control of machinery, including complements and materials in order to get a better task management, allowing to associate them to the different tasks and control the availability of each of them at all times.

🗺️ · Management of customers, plots and fields: These projects allow us, among others, to add different customers and associate them with their respective plots or farms, by defining their limits in an interactive map and storing them quickly and easily in future tasks.

### 🕒 MINIMIZING REPAIR TIMES:

Through our diagnosis cloud solutions, our customers have access to the workshop module. This does not only allow breakdowns to be predicted, but also to solve them quickly thanks to the proactive maintenance. In this way, the workshop is able to make a remote diagnosis of the machinery and, thus, detect the breakdown at the exact moment. In this way, it is possible to efficiently prepare the part or the required repair tool, producing savings in the farm trip and having the machine in optimal conditions for the farm trip.

# OEM. SOLUTIONS by cojali

Cojali is not only a manufacturer for the independent after-market, but also an OEM-level solution provider.

Thanks to a vast experience in the manufacturing of high-quality products, industry-leading and independent multibrand diagnostics and new technologies for fleet management, Cojali is a sure bet to provide solutions for leading vehicle and system manufacturers.

## TAILORED HARDWARE & SOFTWARE SOLUTIONS FOR MANUFACTURERS



DIAGNOSTICS



TELEMATICS



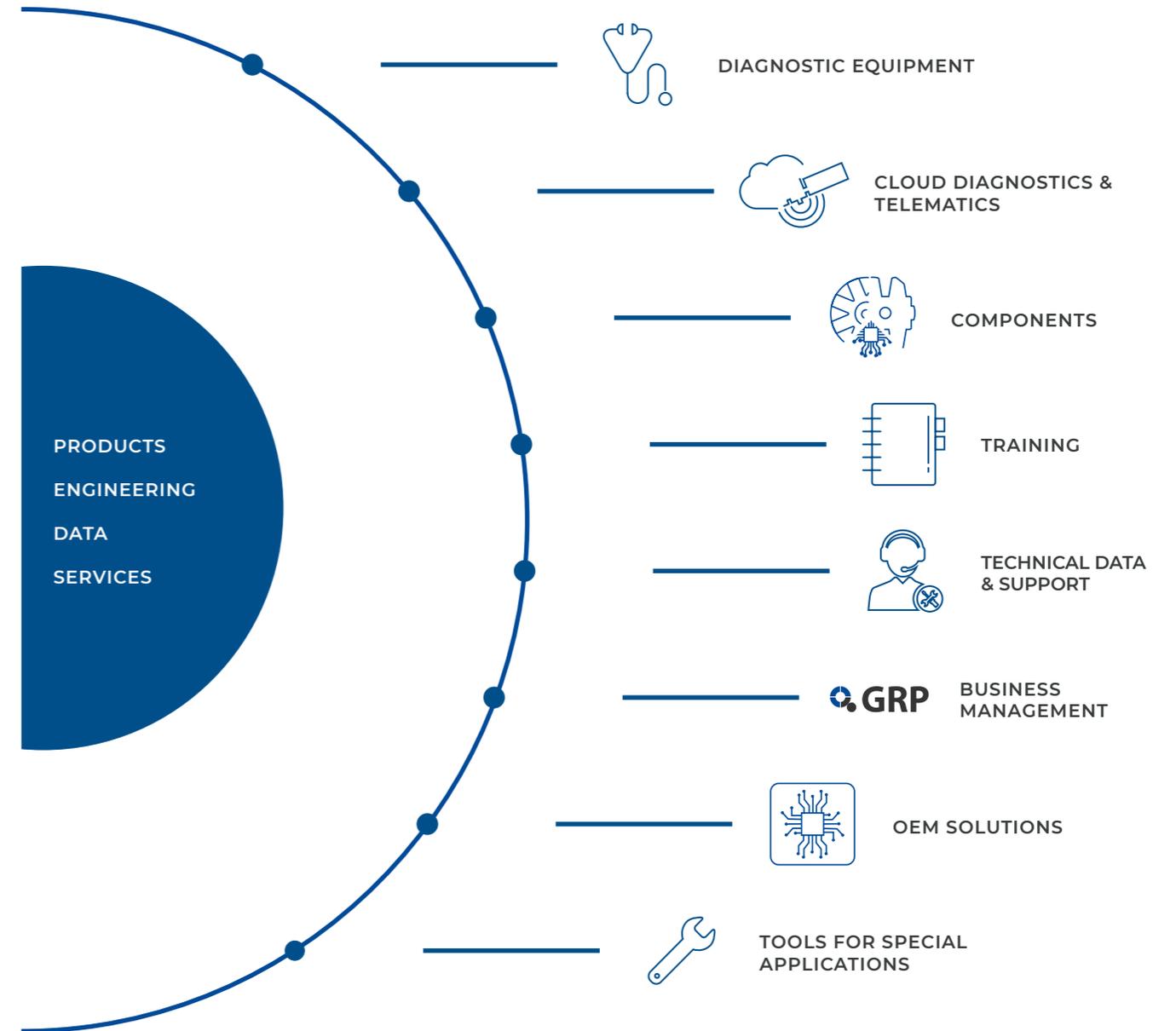
ELECTRONICS



COMPONENTS



## COJALI. WE MEET ALL YOUR BUSINESS NEEDS





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Local distributor