

ALTA

Comprehensive Catalog of Vehicle Inspection Systems



VEHICLE INSPECTION SYSTEM



Altia supports you to become a designated plant.

There are many benefits to going from a certified plant to a designated plant. By becoming a designated plant, we can enhance users' trust in us, and there are also other benefits such as raising the employees' morale and saving manpower (no need to bring vehicles to the inspection site). Turning into a designated plant is a major goal for maintenance plants and a way to survive the severe competition between companies.

ALTIA provides comprehensive support for customers, from creating layouts that match the customer's plant to delivery and after-sales service.

Side slip tester

The side slip tester comprehensively and quickly measures the side slip amount of tires when the vehicle is driving straight ahead.

It measures the amount of side slip that occurs when the front wheels of vehicle pass over the treads, and accurately determines whether the side slip is properly adjusted.

4t side slip tester

The tester is strong enough to withstand an axle weight of 4t and can measure light vehicles, garbage trucks, Unic vehicles, etc.

Since the size remains the same as the conventional product (3t type), the replacement work can be carried out smoothly. It has a thin design with a height of 125 mm, so there is no need to dig deeply in the soil area during the new construction.



Digital meter

The maximum value during the passage is held for a certain period of time. A Super Combi tester and an integrated super multitester are also available.



▲ Digital meter

10t side slip tester

It is compatible with a wide range of vehicles, from light-duty vehicles to heavy-duty vehicles, as it supports 10 tons of axle weight.

If the side slip amount exceeds 5 mm/m, the buzzer and lamp will inform you.



IM2202

▲ Separate model, with axle slip function

Axle slip measurement is recommended for vehicles with 2 front axles.

With the axle slip function, it is possible to measure the amount of side slip between the axles of vehicles with 2 front axles by simply passing the vehicles through the tester.

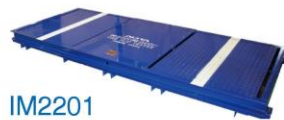
Digital meter

The maximum value during the passage is held for a certain period of time.



IM2261

▲ Integrated model, without axle slip function



IM2201

▲ Integrated model, with axle slip function



▲ Digital meter (supports axle slip function)



▲ Digital meter (standard model)

Specification

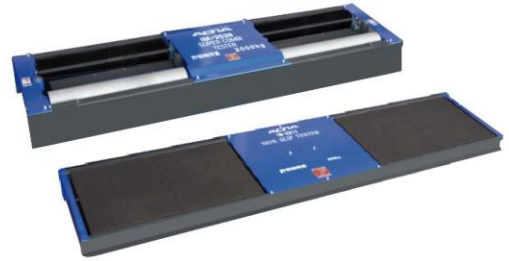
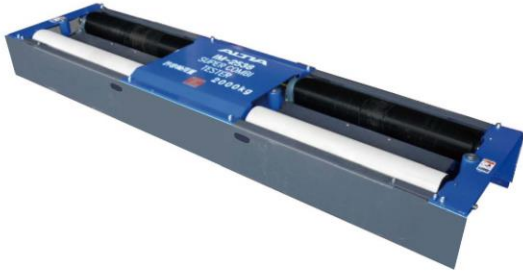
4t side slip tester		
Item No.	IM2213	
Type test No.	JASEA-A-31	
Indicator	Digital	
Allowable wheel load (Kg)	2,000	
Body size	Width (mm)	2,490
	Depth (mm)	570
	Height (mm)	123
Body weight (kg)	Approx. 80	
Tread	Size (mm)	Width 80
	Inner width~Outer width (mm)	Width 850 x Depth 500
	Tread center spacing (mm)	700 ~ 2,400
Side slip	Detection method	Potentiometer type
	Indication range (mm)	IN-OUT TOTAL 0~15
	Minimum scale (mm)	0.1
Power supply	AC100V	

10t side slip tester			
Item No.	IM2261-5001/5011 ^{※1}	IM2201-5001/5011 ^{※1}	IM2202-5001/5011 ^{※1}
Type test No.	INSA-7	INSA-9	INSA-13
Indicator	Digital display	Digital display	Digital display
Allowable wheel load (Kg)	5,000	5,000	5,000
Body size	Width (mm)	2,860	2,810
	Depth (mm)	610	1,110
	Height (mm)	140	200
Body weight (kg)	Approx. 350	Approx. 520	Approx. 390
Tread size	Width (mm)	1,000	850
	Depth (mm)	500	1,000
Side slip	Measurement range (mm/m)	IN-OUT TOTAL 0~15	IN-OUT TOTAL 0~10
	Minimum display unit (mm/m)	0.1	0.1
Axle slip	Measurement range (mm/m)	-	LEFT-RIGHT TOTAL 0~20
	Minimum range (mm/m)	-	0.1
Effective boarding width (mm)	730 ~ 2,430	870 ~ 2,570	-
Tread center distance (mm)	1,580	1,720	-

※1. If the last four digits of the product number are "5001", the meter is a stand type, and if they are "1010/5011", the meter is a hanging type. ※2. Body size is for one side only.

Super Combi tester

This is a brake and speedometer combo tester for small to medium-sized vehicles. By combining the functions of a brake tester and a speedometer tester in a single tester, it is possible to reduce the installation space of two testers to that of one tester, and the construction cost is also economical.



4t Super Combi tester

Silent design with knurled rollers. It reduces noise during measurements. The operation can be done easily with the remote control. Since it can handle up to 4 tons of axle weight, many vehicle models can be measured.

Can also measure packer cars and Unic cars
Can handle 4t axle weight

It can measure not only vehicles from light cars to RVs, but also packer cars and Unic cars. ※

※ Axle weight is limited to 4t or less.



Can measure with peace of mind without worrying about noise
Adoption of knurled rollers

A silent design with knurled rollers.



▲ Silent roller

Easy to see meter equipped as standard
Digital indicator

An easy-to-read digital indicator is standard equipment. A side slip tester and an integrated super multimeter are also available.



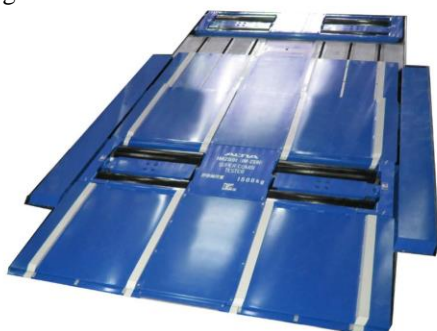
▲ Digital indicator

Specification

4t Super Combi tester					
Item No.	IM2538	Type test No.	JASEA-B · S-44		
Indicator	Digital	Motor	Fully enclosed		
Allowable wheel load (kg)	2,000	Power supply	3-Phase 200V 0.75kW × 2 AC100V		
Body size (mm)	Width 2,680 x Depth 650 x Height 240* *Height when the tester is embedded. The top surface of the roller is FL + 20 mm.	Working pressure (Mpa)MPa)	0.8		
Body weight (kg)	Approx. 580	Brake test	Detection method	Loadcell type	
Roller	Inner width - Outer width (mm)		700 ~ 2,400	Indication range (daN)	0 ~ 1,200
	Wheel base (mm)		375	Minimum scale (daN)	1
	Diameter (mm)	φ148	Speed test	Detection method	Rotary encoder type
Connection method	Electromagnetic clutch	Indication range (km/h)		0 ~ 120	
		Minimum scale (km/h)		0.1	

4t Super Combi Quatt

A four-wheel simultaneous entry system is adopted, and an approach area for side slips is not required, allowing for space-saving installation.



Specification

Target cars	Allowable wheel load	2,000 kg	
	Wheelbase	1,750 ~ 3,250mm	
Device configuration	Front tester (fixed side)	Two 4t Super Combi testers (IM2538) are used	
	Rear tester (moving side)		
	Width x Depth x Height (overall dimensions of pit)	3,170 x 5,265 x 630 mm	
	Mobile device	Moving method	Motor-driven
		Wheelbase travel distance	1,500 mm
		Wheelbase setting method	Wireless remote control
		Weight	Approx. 2,000 kg
	Power supply	Control panel of mobile device	1 unit (with power supply, wheelbase movement switch) Size 200 x 400 x 500
		Super Combi tester	(3-phase 200V 0.75kW × 2 units) × 2 units
		Power supply for motor	3-phase 200V 0.75kW
Power supply for control panel		AC 200V 50W	
	Working pressure	0.8MPa	

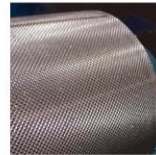
Super Combi tester/free roller

This is a brake and speedometer combo tester that can handle everything from light vehicles to large vehicles.



10t Super Combi tester

The 10t Super Combi tester for large vehicles is a conventional model with grooved rollers and can measure braking force accurately. In addition, silent knurled rollers are available.



Reduces noise during measurements

The silent design greatly reduces the harsh "squeal" sound during speed measurement.



Easy-to-use and labor-saving

Combining it with free rollers makes it easy to measure the speedometer of a vehicle with 2 rear axles, leading to labor saving.

Specification

10t Super Combi tester					
Item No.	IM2599	IM2593	Item No.	IM2599	IM2593
Type test No.	INSB-S-19	INSB-S-22	Working pressure (MPa)	0.6	
Allowable wheel load (kg)	5,000		Body size	Width (mm)	3,700
Roller machining	Grooving	Knurling		Depth (mm)	800
Roller diameter (mm)	φ 185			Height (mm)	520
Drive motor	AC200V/2.2kW×2		Body weight (kg)	Approx. 1,350	
Operating power supply (V)	AC100		Accessories	Wireless remote control	

POINT Easy measurement in combination with a combi tester

The combination of a combi tester and free rollers enables testing of speedometers of large vehicles with 2 rear axles (10t free roller) and testing of speedometers of full-time 4WD vehicles (full-time helper, 4t flat-free roller).

10t free roller

Once combined with the 10t Super Combi tester, it can measure large vehicles with 2 rear axles, leading to space and labor savings.



Specification

10t free roller		
Item No.	IM2594-0000	
Allowable wheel load (kg)	5,000	
Operating speed range (km/h)	0 ~ 120	
Working pressure (MPa)	0.4	
Roller	Diameter (mm)	φ185
	Inner width (mm)	600
	Outer width (mm)	2,800
	Wheel base (mm)	245
Body size	Width (mm)	3,100
	Depth (mm)	850
	Height (mm)	420
Body weight (kg)	Approx. 1,000	

Full-time helper

Compact, lightweight and portable free roller. It comes with user-friendly features such as a non-slip bottom, entry direction display (on the drive-on board), center alignment mark, etc.



Specification

Full-time helper		
Item No.	IM2485-0000	IM2486-0000
Allowable wheel load	500kg	1,000kg
Maximum measurement speed	Less than 50 km/h	
Continuous use time	Within 3 minutes	
Size	W600 x D940 x H140mm	W887 x D960 x H145mm
Weight	Approx. 25 kg/unit (2 units/set)	Approx. 40 kg/unit (2 units/set)

4t flat free roller

Once combined with the 4t Super Combi tester, it can easily measure the 4WD vehicles. Since it is an embedded type, work efficiency is improved.



Specification

Multi-shaft flat free roller		
Item No.	IM2488-0000	
Allowable wheel load (kg)	1,500 when used (axle weight 3t) 2,000 when passing (axle weight 4t)	
Permissible speed	50 km/h (within 1 minute in a row)	
Effective measurement length (mm)	1,400	
Effective measurement width (mm)	700 ~ 2,400	
Roller	Diameter (mm)	Φ119×20 pieces
	Length (mm)	850
	Lock method	Bellows lift type roller lock
Working pressure	0.45MPa	
Body size (mm)	H1,780 x L2,890 x H290	

Headlight tester

It measures whether the car lights are illuminating in the right direction with the right intensity.

Using a cross-line laser makes it easy to align with the lamps.

- Fully automatic alignment → measurement
- Automatic measurement of low beam
- Automatic measurement of high beam
- Cross-line laser
- Supports lower limit of 25cm
- Pass/fail judgment function

Automatic image processing type Headlight tester

Since it is "fully automatic" from start to measurement to end, it is possible to measure with high accuracy in a short time. It has a pass/fail function that makes it easy to see from a distant position.



- Visual mode
- Automatic measurement of low beam
- Automatic measurement of high beam
- Cross-line laser
- Supports lower limit of 25cm
- Pass/fail judgment function

Manual image processing type Headlight tester

Equipped with the original measurement method "Visual Mode", it can measure various lights! The "diagonal line detection function" makes it easy to visually adjust and measure the low beams.



- Visual mode
- Automatic measurement of high beam
- Cross-line laser
- Supports lower limit of 25cm
- Pass/fail judgment function

Visual type Headlight tester

High beam can be easily measured because it is of "automatic measurement". The low beam can be precisely adjusted and measured with the first "diagonal line detection function" in the industry. The industry's first "rechargeable model" that does not require cable installation is also available. It comes with a convenient "tool box" for storing tools.



- Cross-line laser
- Supports lower limit of 25cm

Screen type Headlight tester

Cross line laser is equipped as standard. It comes with a convenient "tool box" for storing tools. There is also a model that can move back and forth.

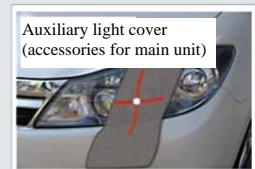


POINT Fast and accurate inspection Cross-line laser

In the case of headlights with multiple light sources, such as LEDs, it is becoming difficult to center them in the light image. Accurate lamp alignment can be done quickly and easily by outputting the line laser with a cross.



▲ LED light image



▲ Laser irradiation image

Specifications

Item No.	IM2713	IM2706	IM2702	IM2773
Measurement method	Manual touchscreen	Manual image processing	Manual image processing	Manual image processing
Measurement distance	1m	1m	1m	1 m
Photometer indication range	Driving lamp illuminance 0-1200 hcd Low beam illuminance 0-800 hcd	Driving light illuminance 0-1200 hcd Low beam illuminance 0-800 hcd	Driving lamp illuminance 0-1200 hcd Low beam illuminance 0-800 hcd	Driving lamp illuminance 0-1200 hcd Low beam illuminance 0-800 hcd
Display device	Photometer (LCD) Irradiation directionmeter (LCD)	8.5" color LCD	17" color LCD	17" color LCD
Light alignment method	Cross laser + lamp image	Cross laser + lamp image	Cross laser + CCD camera image	Cross laser + CCD camera image

Exhaust gas tester

A tester for measuring the concentration of carbon monoxide (CO) and hydrocarbons (HC) in exhaust gases. It is used for inspection and engine adjustment at the automotive maintenance plant. Compared to conventional exhaust gas testers, we have built it in pursuit of "ease of view" and "ease of use".



Exhaust gas tester

The use of high-contrast segment LEDs and an organic EL display has improved the visibility of the screen. It is easy to operate thanks to the organic EL display that can be displayed in Japanese. The optional drain separator makes cleaning after measurement easy.

Segment and organic EL display (EG1802)

Display is easy to see and read thanks to the use of segment LEDs and organic EL display. The digital display of the measured values adopts an easy-to-read character design that is enlarged to a full-size LCD.

Easy-to-operate switch (EG1802)

The operability has been improved by arranging the switch on the upper part of the entire surface so that it can be easily operated while standing.



Energy-saving function (common)

It has an automatic stop function that automatically returns to the standby state when it is not measuring. This allows the pump to be turned off automatically, stopping unnecessary pump operation, thereby extending the life of the pump and filter and reducing power consumption.

Exhaust gas tester for 4 gases

4 gases (CO, CO₂, HC, O₂) are analyzed to diagnose whether there is wasteful fuel or whether the engine is malfunctioning. The 4-gas type exhaust gas tester is used in European countries, which are environmentally advanced countries. Customers who also handle imported vehicles are advised to introduce this tester.

With automatic purge function (common)

When you want to end the measurement and return to the standby state, check the residual exhaust gas in the measuring instrument, automatically perform an air purge, and then return to the standby state. To avoid the influence of residual gas from the previous measurement, an air purge should be performed before starting measurement. In addition, the measured value is not displayed during the air purge.

Drainage is automatic (common)

The drainage is automatic. There is no need to check the accumulated water and throw it away again.

Easy to check and replace filters (common)

A resin pre-filter is attached to the probe. It is resistant to moisture and easy to replace the filter. In addition, the skeletonized filter case of the probe makes it easier to check for dirt on the filter and to replace the filter.

Options

■ Printer (EG1801-1000)

A dedicated printer can be connected to print CO and HC measurement values.

■ Power supply: AC adapter or 6 AA batteries

■ Connection with CAI

Connection with the computer-aided inspection line (CAI) has also been set as an option.

■ Dedicated stand (IM5000-0000)

The opacimeter and exhaust gas tester can be stored together.

■ Drain separator (EG1801-0020)

It prevents troubles when sucking in exhaust gas containing a lot of moisture.



▲ Printer



▲ Drain Separator

Specification

Item No.	EG1802-0000	EG1801-5000
Measured components	Carbon monoxide (CO), hydrocarbons (HC)	Carbon monoxide (CO), hydrocarbons (HC), carbon dioxide (CO), oxygen (O)
Measurement range	CO: 0 ~ 10.00 vol% (Minimum display unit: 0.01 vol%) HC: 0 ~ 10000 volppm (Minimum display unit: 1 volppm but 10 volppm if greater than 2000 volppm)	CO: 0 ~ 10.00 vol% (Minimum display unit: 0.01 vol%) HC: 0 ~ 10000 volppm Minimum display unit: 1 volppm (≤2000 volppm), 10 volppm (>2000 volppm) CO ₂ : 0 ~ 20.0 vol% (minimum display unit: 0.1 vol%) O: 0 ~ 25.0 vol% (minimum display unit: 0.01 vol%)
Indicator	7-segment LED, organic EL indicator	LCD with backlight (320(W) x 240(H) dots)
Indication	Digital display, organic EL, in Japanese	Digital display
Power supply	AC100V, 50/60Hz	AC100V, 50/60Hz



Opacimeter (lightweight/compact)

The opacimeter transmits light through the exhaust gas collected from the exhaust pipe and measures the degree of contamination of the exhaust gas by particulate matters according to the transmittance.

For recent diesel vehicles, it is necessary to measure SOF (soluble organic fraction) in PM rather than black smoke. Therefore, exhaust gas measurement of diesel vehicles has shifted from the former measurement of black smoke concentration with a black smoke measuring meter (diesel smoke measuring meter) to PM measurement with a light transmission type black smoke measuring meter (opacimeter).

This device supports particulate matter (PM) inspection using an opacimeter (light transmission type smoke measuring meter) according on the new regulations. In addition, it has excellent measurement accuracy and reproducibility compared to light reflection type conventional black smoke measuring meters, and can measure even low-concentration smoke more accurately.

Wireless communication between the indicator and detector via Bluetooth

- Built-in printer equipped as standard, with excellent reliability
- 2.5-inch color LCD with backlight for excellent visibility

Specification

Item No.	IM5021-0000	
Specification	Communication method	Wireless (Bluetooth): Detector and indicator
	Printing method	Thermal line dot printing
	Output format	PC connection port (for CAI system)
	Judgment Criteria	5 registered patterns, 5 user-defined patterns



Opacimeter (popular type)

This device supports particulate matter (PM) inspection using an opacimeter (light transmission type smoke measuring meter) according on the new regulations. In addition, it has excellent measurement accuracy and reproducibility compared to light reflection type conventional black smoke measuring meters, and can measure even low-concentration smoke more accurately.

The optical system is easy to clean and is not easily affected by external light!

- Black smoke regulation value is selected by number (8 types)
- Accelerator operation is displayed in a countdown manner, with a simple pass/fail sound or a voice lamp.



▲ The operation panel is easy to operate, making pass/fail judgments easy!

Specification

Item No.	IM5050-0000
Type test No.	JASEA-OP-13
Measurement principle	Exhaust-pressure split and light transmission type
Measurement range	Light absorption coefficient: 0.000 ~ 9.99m ⁻¹
Indicator	7-segment LCD
Display resolution	0.001 m ⁻¹ (light absorption coefficient)
Environmental conditions of use	Temperature: 5~40 °C (0~90% RH)
Warm-up time	Within 10 minutes (at 25°C)
Power supply	AC85V ~ 110V 50/60Hz
Power consumption	140VA
External size	400W×250H×100D
Weight	4.5kg (without probe and cable)
Exhaust force and temperature	20 ~ 200°C
Purge method	Exhaust by blower
Effective optical path length	185 mm

Digital diesel smoke meter (Diesel exhaust black smoke meter)

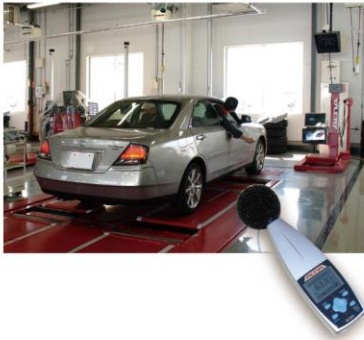


The diesel smoke meter samples the black smoke in diesel engine exhaust from a vehicle muffler and attaches it to filter paper. The amount of light reflected (the degree of contamination) is digitally displayed as the black smoke concentration by shining light on the filter paper to which the black smoke adheres.

- The digital indicator is bigger and easier to see.
- Reliability has been improved by adopting the air cylinder system.

Specification

Item No.	E D1951-0000
Model	S-T-200
Type test No.	JASEA-DS-3
Measurement range	0-100% digital
Measurement accuracy	Within ± 3%
Supplied air pressure	0.5 ~ 0.99 MPa
Power supply	AC100V 50/60Hz
Body size	315W×217H×307D
Weight	Approx. 13 kg



Volume meter

Measures automobile exhaust noise, driving noise, and alarm sound.
Measures whether the muffler or horn volume is within the specified range.

Lightweight and compact

With a length of 17cm and a width of 5cm, it is extremely lightweight and compact, and fits easily in your breast pocket for easy carrying.



Quick setting with an arrow mark

The arrow stand allows you to quickly fix the measuring distance and height. (Optional)



Easy-to-read interface

While looking at the LCD screen, you can simply press the cross cursor, just like operating a mobile phone. The measurement results are displayed in numerical values and bar graphs, and the visibility is outstanding.



Specification

Volume meter

Item No.	IM2801-0000
Measurement level	A-weighted: 30~130dB
Measurement range	C-weighted: 36~130 dB
Measurement frequency range	20 ~ 8,000 Hz
Detection circuit of effective value	Digital computation method
Power supply	2 AAA batteries or AC adapter (optional)

Noise meter



- It has a wide linearity range of 107dB and can measure noise levels from 30 to 130dB without switching the range.
- It can operate for 9 consecutive hours with 2 AAA batteries (alkaline dry batteries).
- It has a manual saving function, and USB communication adapter cable (optional) can be used to transfer data to the computer.

Specification

Type approval number	IM2789-0000
Compliance standard	Ordinary metrological noise meter
	JISC 1509-1: 2005 Class 2; IEC 61672-1: 2002 Class 2
	CE marking (EMC Directive 2004/108/EC), WEEE Directive
Measurement function Arithmetic type (normal mode)	Sound level (noise level) Lp, time-averaged sound level (equivalent noise level) Leq
	noise exposure level LE, maximum sound level (maximum noise level) Lmax
	C-weighted peak sound level LCpeak (measurable only when set to peak range)
Measurement time	1 minute, 5 minutes, 10 minutes and 1hour
Microphone	1/2 inch electret condenser microphone
	Model: UC-52; sensitivity level: -33dB ± 3dB (re.1V/Pa)
Measurement level range (normal model)	A-weighted: 30 dB~130 dB; C-weighted: 36 dB~130 dB

Computer-aided vehicle inspection system

Computer-aided vehicle inspection system CAI

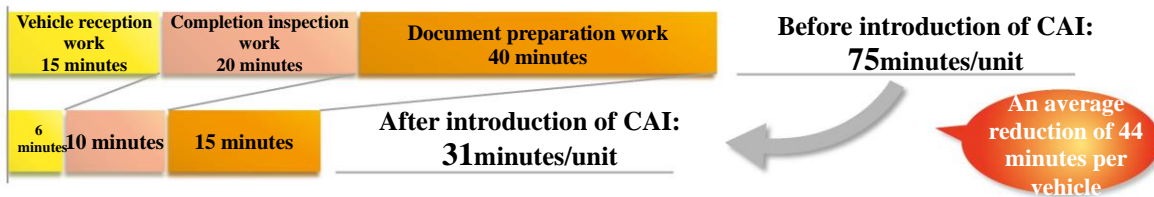
The computer-aided vehicle inspection system "CAI series" is a system that controls the operation of the vehicle inspection equipment, automatically determines each measurement data, and enables automatic printing on the record book. From reception at front desk to completion inspection, on-site explanation and follow-up at a later date, the product lineup fully supports business scope and individual business scenarios.

The use of a computer-aided vehicle inspection system improves the efficiency of vehicle inspection and enables short-time vehicle inspections. Moreover, you can easily do everything with the wireless remote control included as standard.

Accurate inspection is possible in a short time. Work time can be halved with the introduction of CAI.

By introducing CAI, the inspection time for one vehicle can be cut by half or more.

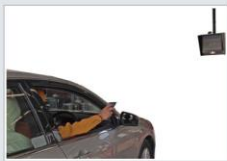
Automatic judgment and printing of vehicle inspection measurements reduces manual work. In addition, inspection omissions are eliminated through automatic instructions for inspection items.



HOW TO

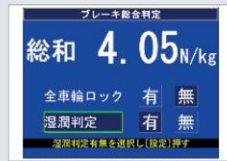
With CAI, you can easily record using the remote control.

By introducing CAI, the inspection time for one vehicle can be cut by half or more.



1 Operated inside the vehicle with a remote control

Since it can be operated with a remote control, it can be operated while you are in the car.



2 Measurement results are displayed on the monitor

You can immediately check the results while performing an inspection.



3 The test results are printed

Since the automatically transferred measurement data is automatically printed on the designated maintenance record book, manual input and calculation by a calculator are not necessary.

Main contents supported by CAI

Relieved to see

- Inspection status and results can be viewed at any time.

Quick and assured

- Many related documents can be output with less input.
- By simultaneously performing the work that needs to be completed on site and the front-end work, the time required for input work is shortened.
- Vehicle measurement and inspection information can be automatically obtained.

Peace of mind

- You can see the adjustment category today/after.
- You can see the inspection items and replacement parts.
- You can see the maintenance schedule for the future.

System function comparison table

	Improving the efficiency of vehicle inspection line	Improving the overall vehicle inspection efficiency	Performing on-site joint vehicle inspection
On-site joint vehicle inspection system	<ul style="list-style-type: none"> Direct connection with vehicle inspection equipment Automatic control of vehicle inspection equipment, and display of operation procedure Automatic reading of vehicle inspection values and display of judgment results Output of vehicle inspection values to upper front 	<ul style="list-style-type: none"> Automatic creation of record book Automatic import of vehicle inspection data General follow-up management Preparation of vehicle inspection related documents Appointment registration and work schedule management Customer/vehicle management and vehicle parameters/address data Future schedule and follow-up management 	<ul style="list-style-type: none"> Creation of a schedule for a later date using a mobile device Online result input by mobile terminal and automatic selection of applicable parts Document creation using a mobile device Online display of inspection status
Independent vehicle inspection system	CAI-EXV05	Expert & Visual	
Vehicle inspection line system	CAI-EX05	Expert & Extension	
	CAI-FS3X		

Basic system configuration

Example of overall layout

1 Headlight
2 Controller
3 Reception desk
4 Waiting area
5 Exhaust gas tester
6 Diesel smoke tester
7 Super Combi tester
8 Side slip tester
9 Inspection area

1 Headlight tester
1 Headlight tester
1 Headlight tester
1 Headlight tester
2 Hanging monitor
2 Controller
2 Wireless remote control
3 Front computer (EX, EXV)
3 Fast dot printer (EX, EXV)
3 Color inkjet printer (EX, EXV)
4 Visual computer (EXV only)
5 Clean Sky
6 Opacimeter
7 Super Combi Quatt
7 Super Combi tester
8 Side slip tester
8 Side slip tester
9 Pen touch type computer (Optional)

Extensive optional features

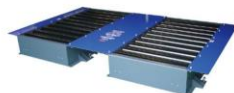
Vehicle verification certificate QR code reading function

Since it can be linked to core systems and self-maintenance systems of various car manufacturers, input work can be greatly reduced.



Data linkage with car manufacturers' core systems and self-maintenance systems

Since it can be linked to core systems and self-maintenance systems of various car manufacturers, input work can be greatly reduced.



Remote control function of free roller

It is possible to operate the flat free roller with a CAI remote control, so the free roller can be locked, turned on or off while you are still in the vehicle.

List of main documents printed by CAI-05 Series

	EXV-05	EX-05	FS-3X	
Designated maintenance record book	Check field	○	○	-
	Outline field of inspection and maintenance	○	○	-
	Inspection field related to inspection equipment, etc.	○	○	○
	Field for visual inspection, etc.	○	○	○
	Replacement parts field	○	○	-
Work instructions	○	○	-	
Weight tax payment certificate	○	○	-	
Continuous inspection application	○	○	-	
Safety standards conformity certificate	○	○	-	
Certificate of conformity delivery ledger	○	○	-	

Vehicle inspection equipment that can be connected to the CAI system (representative example)

	Side slip tester	Super Combi tester	Headlight tester	Exhaust gas tester	Opacimeter
4t line	IM2213	IM2538	IM2706	EG1802	IM5201
10t line	IM2201 IM2202	IM2599	IM2702 IM2773		



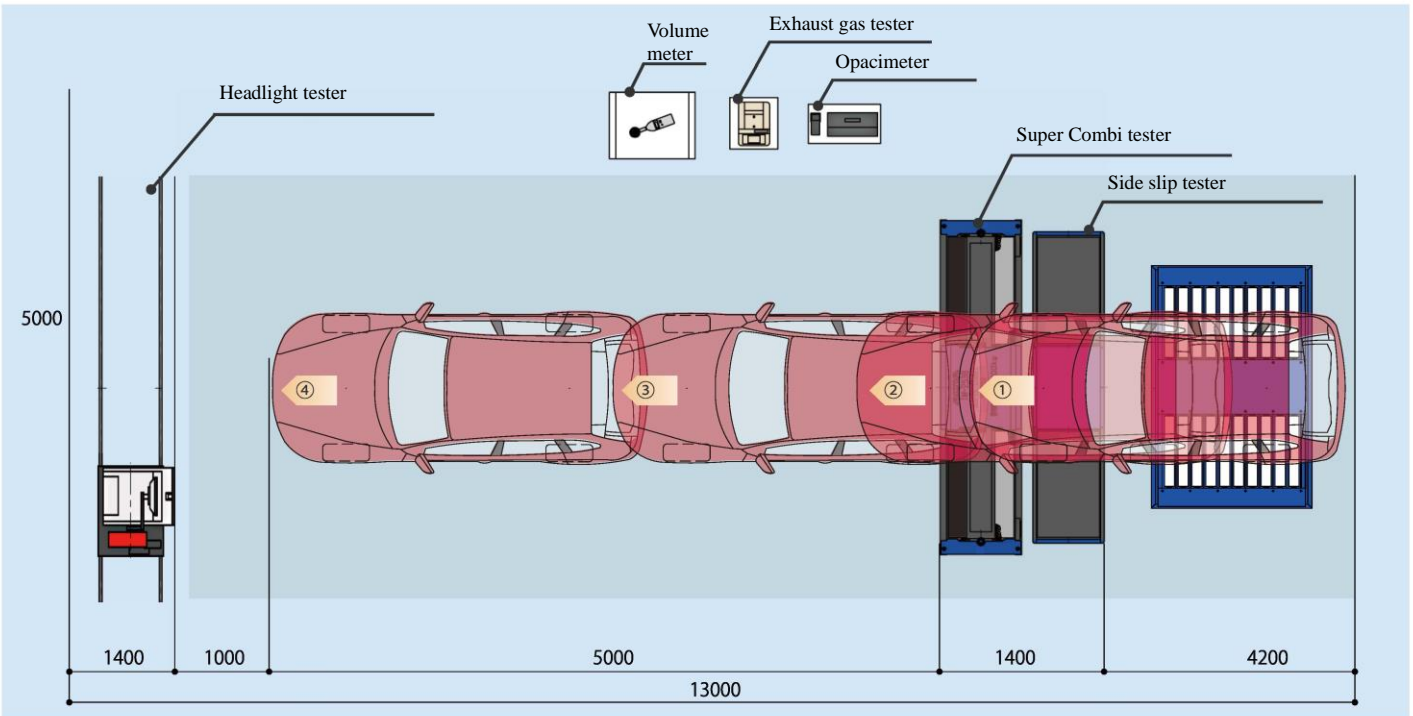
We can meet a wide range of needs that vary depending on your business model and space

Layout 1 Standard

It is the most orthodox type and is recommended for customers who have plenty of space.

Vehicle movement and inspection items

- ① Side slip tester ② Front wheels/speed and brake tester ③ Rear wheels/speed and brake tester ④ Headlight tester, exhaust gas tester

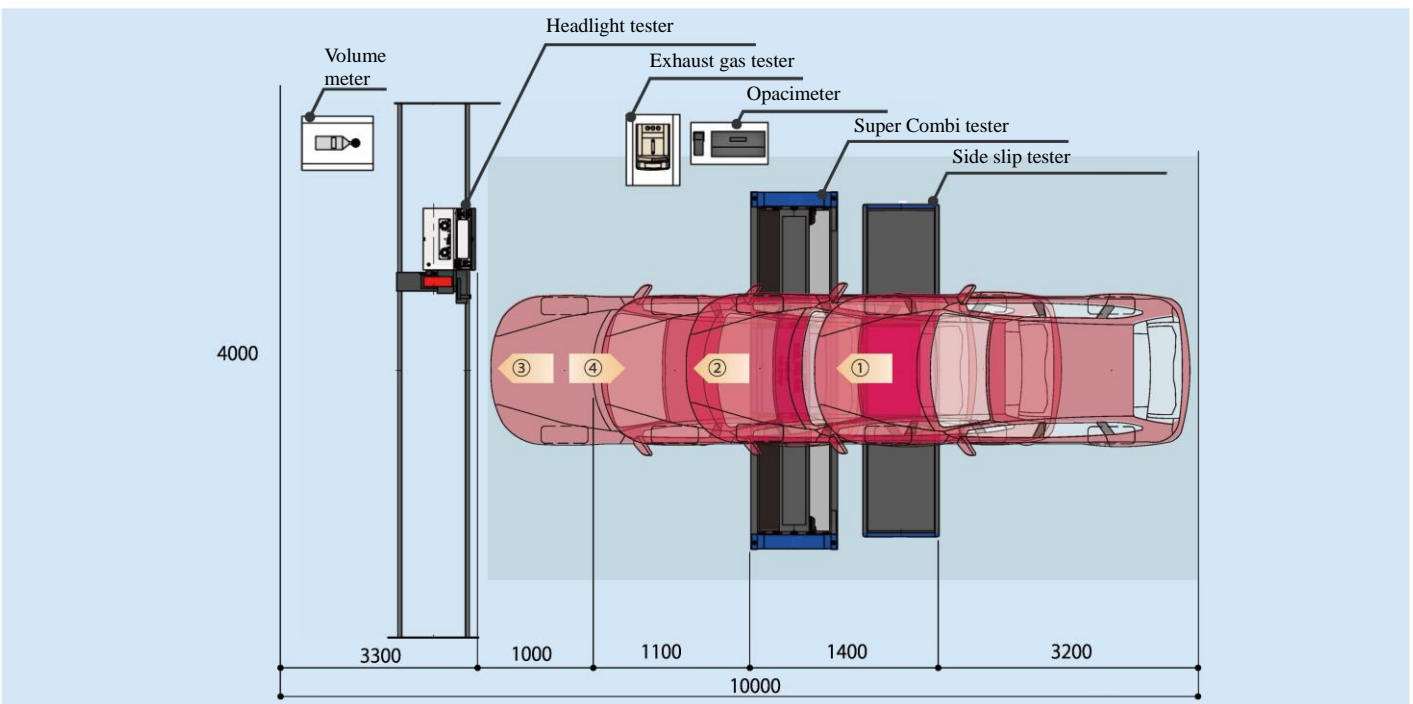


Layout 2 Compact

It is recommended for space-saving installations. It is necessary to reverse the vehicle during work.

Vehicle movement and inspection items

- ① Side slip tester ② Front wheels/speed and brake tester ③ Rear wheels/speed and brake tester ④ Headlight tester, exhaust gas tester

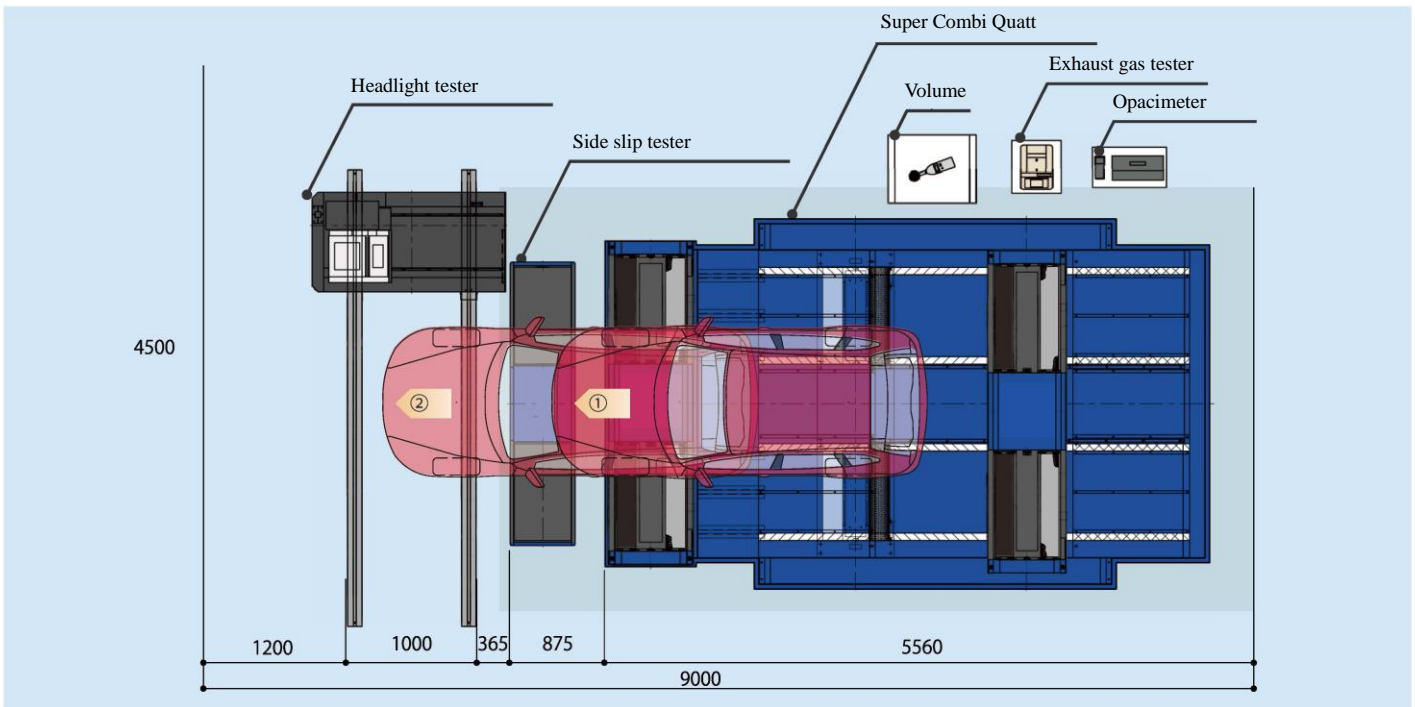


Layout3 Quatt

All items are possible with one movement. Space-saving and speedy with no runway required

Vehicle movement and inspection items

- ① Front wheels/rear wheels/ speed and brake tester, headlight tester, exhaust gas tester ② Side slip tester

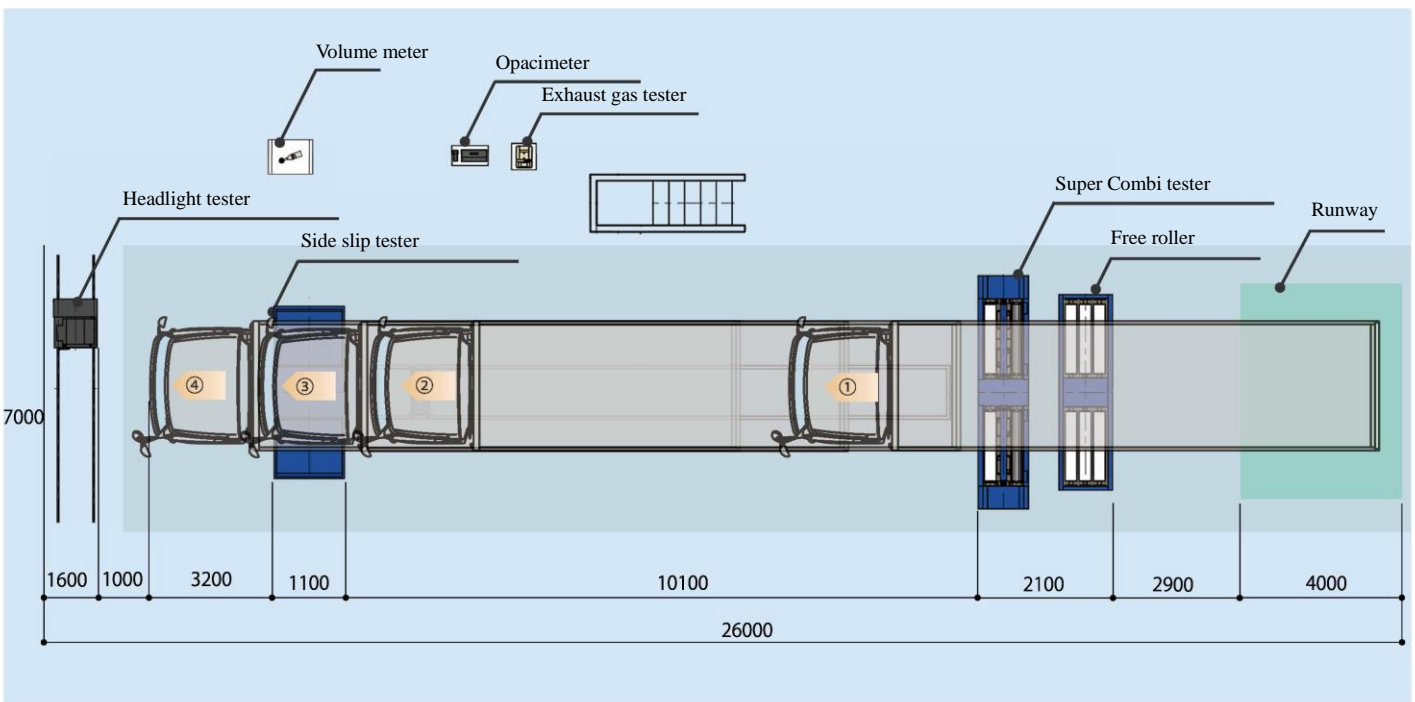


Layout4 Large

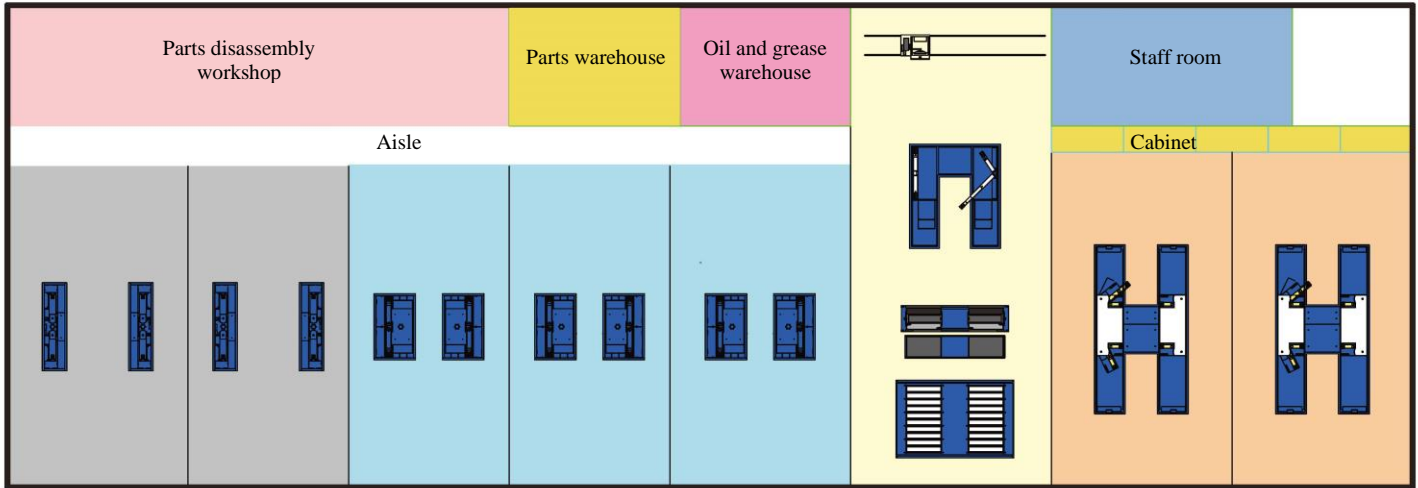
A full system that allows for the inspection of large vehicles. A separate side slip tester is recommended.

Vehicle movement and inspection items

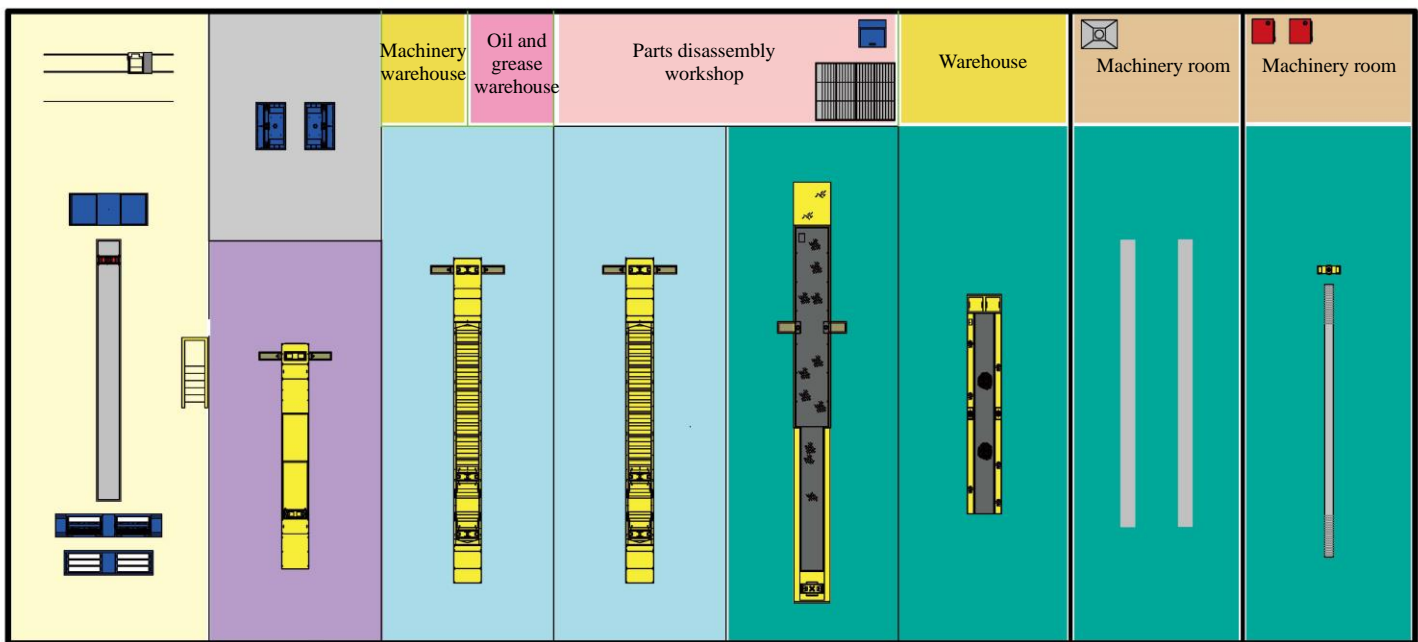
- ① Front wheels/speed and brake tester ② Rear wheels/speed and brake tester ③ Headlight tester, exhaust gas tester ④ Side slip tester



Example layout of a small maintenance plant



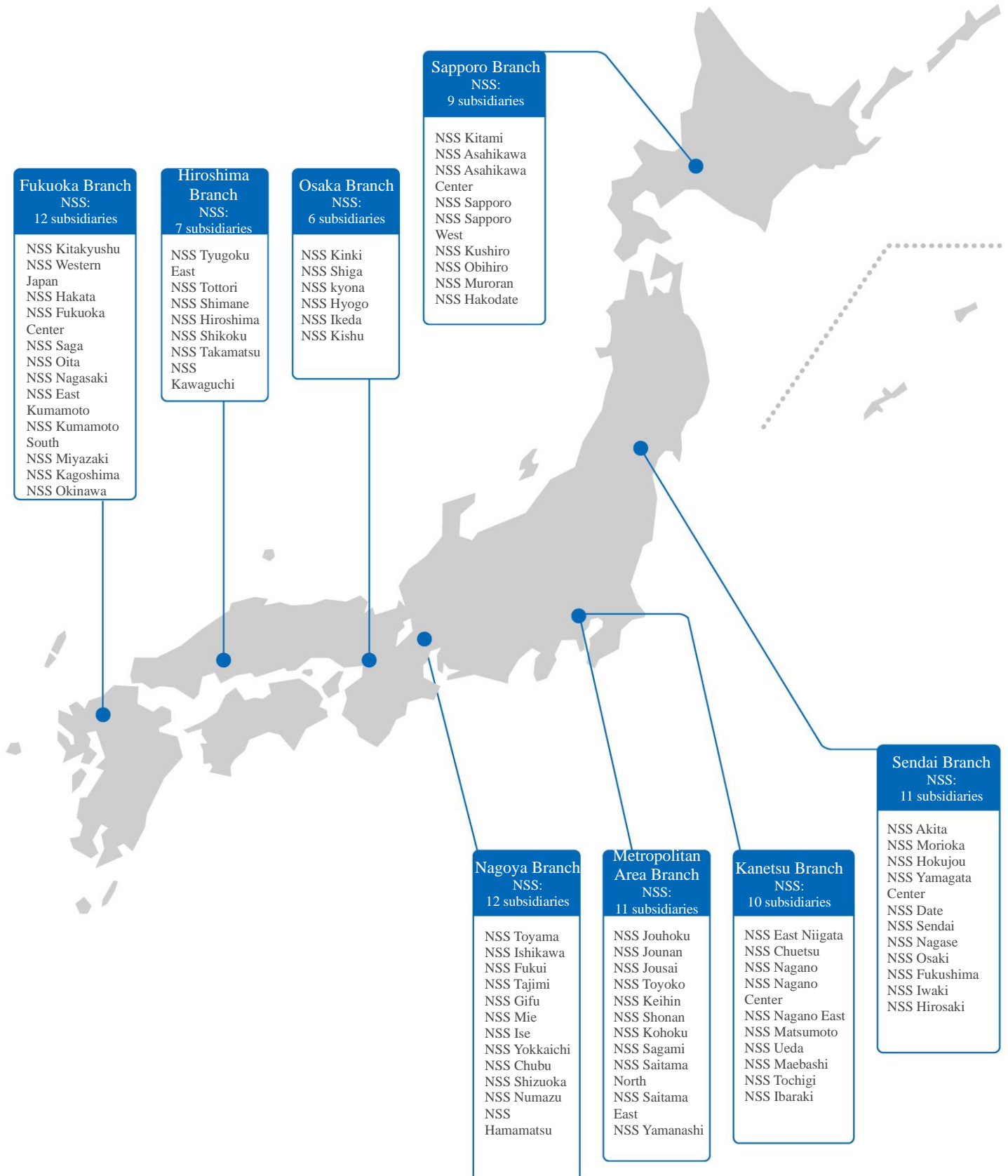
Example layout of a large car inspection yard model



ALTIA Service Network

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We have a perfect service support system in place.





Safety Notice

In order to use the product correctly and safely, be sure to read the Instruction Manual carefully before use.

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Tel: 03 (6777) 0065

ALTIMA Homepage: www.altia.co.jp/

- Please note that specifications are subject to change without notice.
- Please contact your local sales company or ALTIMA branch for ordering and consultation.

15.03

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