

AUTOMOTIVE SERVICE EQUIPMENT

Vehicle inspection equipment



Alignment



Specific maintenance and aiming



Lift and jack



Lifts for large vehicles



Vehicle washing equipment



Chassis equipment



Scan tools and battery-related equipment



Labor-saving and efficiency-improving equipment



Body repairing and painting equipment



ALTIA BEST SELECTION

2022-2023

ALTIA Best Selection



Vehicle inspection equipment

Improving the efficiency of vehicle inspection with various vehicle inspection devices from the latest system!

Smart-VIS



Improving the efficiency of the vehicle inspection line!

- Enhanced compliance
- Dealing with labor shortages
- CS improvement

Strives for visibility! Achieves greater efficiency in vehicle inspection! Contributes to prevention of unimplemented inspection and human errors!!

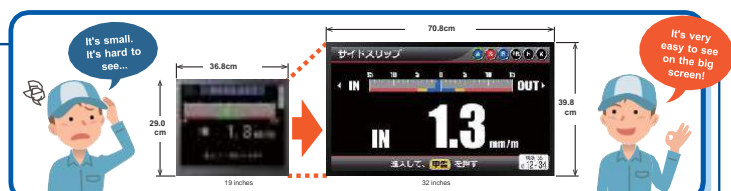
- Contributes to reducing work time by automating vehicle inspection equipment and automatically judging measured values.
- Adopts a graphic design with excellent visibility! Uninspected items and non-conforming items are also clearly visible!

- Achieves accurate printing of record book. If there are non-conforming items or uninspected items, the record book
- Further improves work efficiency and compliance through various optional functions.
- Possible to input the content corresponding to the revision of Exhaust Noise Law.

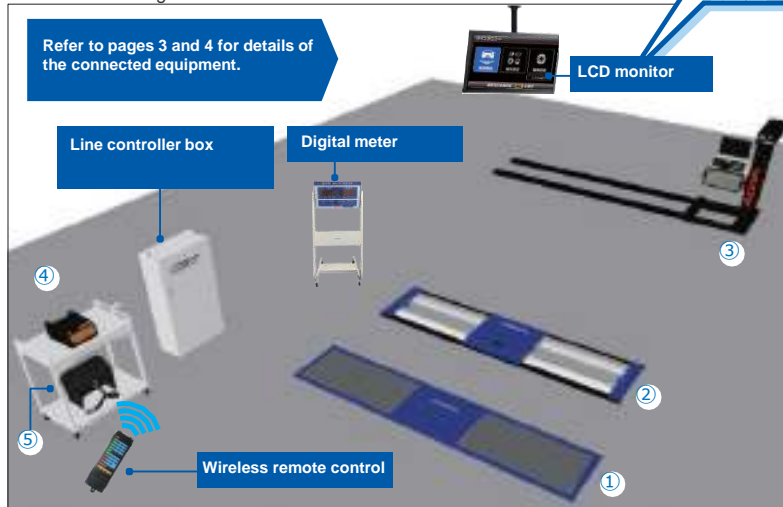
System configuration

The size of a standard monitor increases from 19 inches → to 32 inches!

Visibility has been greatly improved, and you can clearly see it from the driver's seat during the measurement!



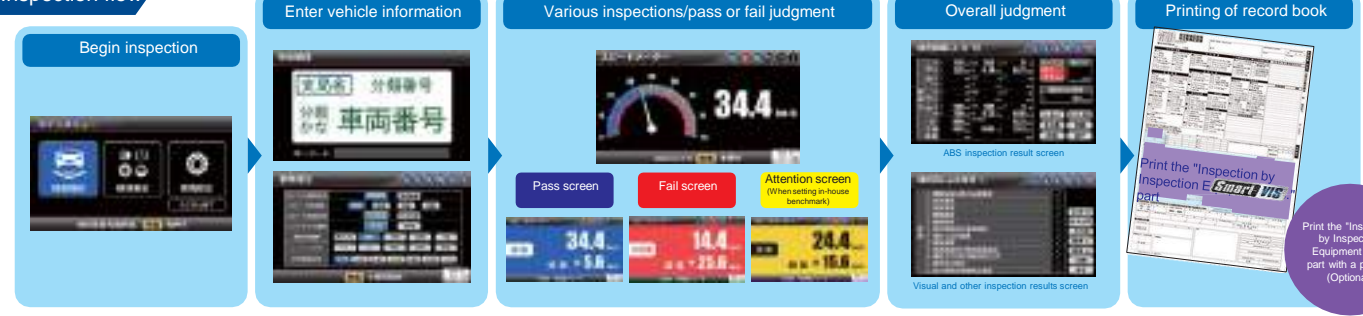
Refer to pages 3 and 4 for details of the connected equipment.



Connectable equipment

- 1 Side slip tester
- 2 Brake + speedometer combo tester
- 3 Headlight tester
- 4 Emission tester
- 5 Opacity meter
- 6 Diesel smoke tester

Inspection flow



※ The digital meter can be selected from stand type, hanging type and retractable type.
 ※ The above illustration of the line controller box is for the vehicle equipped with IM9321-0820 (optional).

Product No. **IM9832-SV00**

Smart-VIS's options

Remote maintenance

In the event of a malfunction, you can quickly locate the malfunction online!

Screen confirmation function

Since the measured value can be confirmed with the tablet on a tablet at hand, visibility and workability are dramatically improved. ※ The tablet screen is an image.

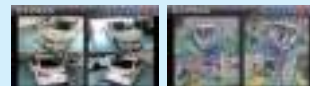
Vehicle information input function

By using tablet or barcode reader you can reading the 2D barcode of vehicle inspection certificate, reducing the troublesome time of entering vehicle information.

※ Reading the 2D barcode of the vehicle inspection certificate with the tablet (optional) is an additional function.
 ※ This function is only available to 2D barcode readers or iOS tablets.

Vehicle image saving function

Switching between monitors allows you to record, save and print vehicle images during completion inspections and check vehicle lights!



OSS (one-stop service) application system (linked type)



Can be linked to various maintenance systems and OSS application system!

- By linking with the OSS application system PC owned by the customer, it is possible to print the "Inspection by Inspection Equipment etc." part of the designated/specified maintenance record book!
- It contributes to reducing work hours and reducing the burden on inspectors!

※ In addition to the above systems, the maintenance system that can be linked can also be linked to other various systems such as VERTICE Extreme and NS21 System.

▶ Linkable OSS application system (key example)



The digitalization of vehicle inspection certificate is scheduled to start in January 2023



PICK UP

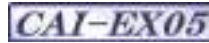
Enter the digital age! Please consider introducing an OSS system.

What is OSS (one-stop service)?

A service that enables inspection registration, application for storage site certification, and payment of taxes and fees in a lump sum on the Internet.

In the future, by using this service, designated plants will not only be able to significantly reduce the time required for printing inspection certificates, and applying for and carrying out continuing inspections, but also able to make application documents paperless, and reduce entry errors and payment in cash.

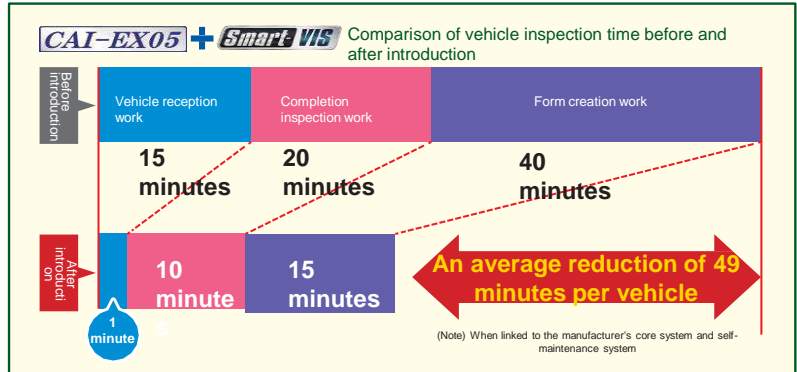
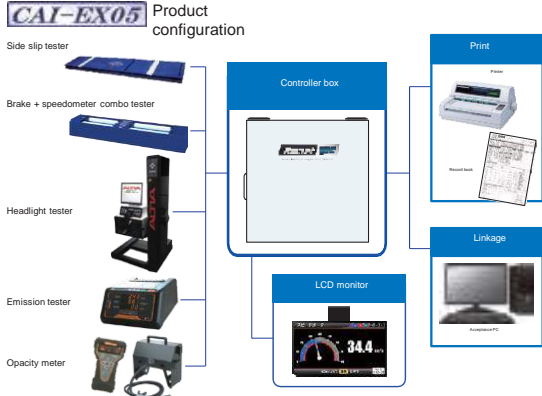
Vehicle inspection efficiency system CAI-EX05



Supports the improvement in the overall efficiency of vehicle inspection!

Smart-VIS + Supports the improvement in the overall efficiency of vehicle inspection such as customer management and form creation!

- It is possible to prevent input errors in inspection items and inspection procedures, and to indicate (display) candidates for replacement parts, and save the input data!
- It is possible to print the entire record book and various vehicle inspection related forms!
- It can be linked to core systems and accounting systems of various automobile manufacturers.



Printing of the entire record book as well as the legal documents for vehicle inspection

It is possible to **print the entire record book** with the information (entered into the acceptance PC of CAI-EX05) about vehicle inspection certificate and about work instructions and results of inspection items, as well as the information about inspection results transferred from Smart-VIS. In addition, by printing the legal documents required for vehicle inspection, it will greatly improve efficiency and strengthen compliance in the administrative process of vehicle inspection.

Printable documents related to vehicle inspection

- Printing of entire designated maintenance / specific maintenance record book
- Self-compensation liability application
- Certificate of conformity delivery ledger
- Weight tax payment certificate
- Continuous inspection application
- Preliminary parts purchase order
- Safety standards conformance certificate
- Work instructions



Printing of entire record book
CAI-EX05



CAI-EX05's options

Function for importing vehicle inspection certificate information

2D barcode reader

A dedicated barcode reader is used to read the 2D barcode on the vehicle inspection certificate. Accurate vehicle information can be obtained and manual input can be reduced.



PDF conversion scanner

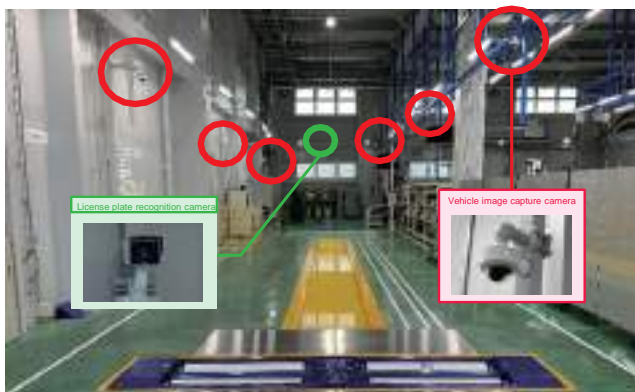
A special scanner is used to read the vehicle inspection certificate and converts all vehicle and customer information on it into character data with a recognition rate of 99.9%, which can then be used as reception information for the CAI-EX05.



* The recognition rate is a numerical value when the original of the vehicle inspection certificate is read. Dirty vehicle inspection certificates or copies may reduce your recognition rate.

Vehicle image capture and saving system

- Reads the license plate with a dedicated camera, and automatically generates a folder with the same name as the license plate!
- Automatically saves vehicle images to generated folder!
- Contributes to enhanced compliance by automatically capturing and saving vehicle images.
- Possible to take any image using a tablet and save it in the same folder.
- Achieves a significant reduction in the time required for photo sorting and saving as compared to manual photographing with digital cameras, etc.



* A total of 6 cameras are installed for the front, middle, and rear to capture the images.

PICK UP

By saving any images,

- We can compare them with previous captured images
- We can confirm the modified areas of vehicle
- They can be used as evidence for comparison and confirmation work before vehicle inspection (e.g. empty cargo bed).

Vehicle images taken with your tablet can be saved and reflected in the report!

Images taken by tablet

Images taken by fixed camera

* The registration number (license plate information) is dummy.

※ **Smart-VIS** : Smart-VIS linking device

4t/10t Side Slip Tester



Able to measure the axial slip amount of a vehicle with 2 front axles (IM2201, IM2202)

Is there an increase in the number of warehoused vehicles with 2 front axles? Please consider the side slip tester that can perform "axial slip measurement" for large vehicles.

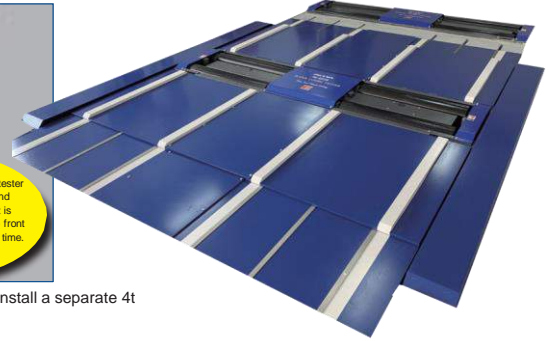
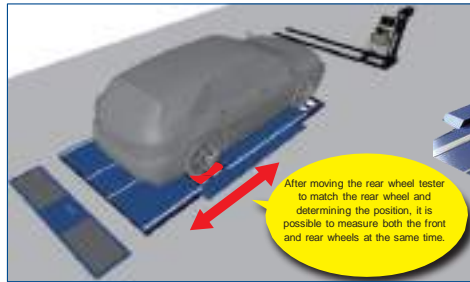


4t	10t	10t	10t
Product No. IM2213-5010	Integrated type Product No. IM2261-5011	Integrated type for measurement of axial slip Product No. IM2201-6010	Right and left separate type for measurement of axial slip Product No. IM2202-6010
<ul style="list-style-type: none"> Allowable axle load: 4t Dimensions: 2,490 (W) x 570 (D) x 123mm (H) Meter: Digital/hanging type 	<ul style="list-style-type: none"> Allowable axle load: 10t Dimensions: 2,860 (W) x 610 (D) x 140mm (H) Meter: Digital/hanging type 	<ul style="list-style-type: none"> Allowable axle load: 10t Dimensions: 2,810 (W) x 1,100 (D) x 200mm (H) Meter: Digital/hanging type 	<ul style="list-style-type: none"> Allowable axle load: 10t Dimensions: 1,470 (W) x 910 (D) x 190mm (H) ※ Body dimensions on one side only Meter: Digital/hanging type

Super Combi Quatt/Front and Rear Axles Connected Super Combi Quatt



- By connecting the front and rear rollers, it is possible to measure in a state closer to the actual driving!
(For front and rear axles connected type only)
- Even when measuring 4WD vehicles, it is possible to measure without moving the vehicles!
(Common to both models)
- Applicable wheelbase: 1,800mm to 3,300mm
(Common to both models)



Super Combi Quatt

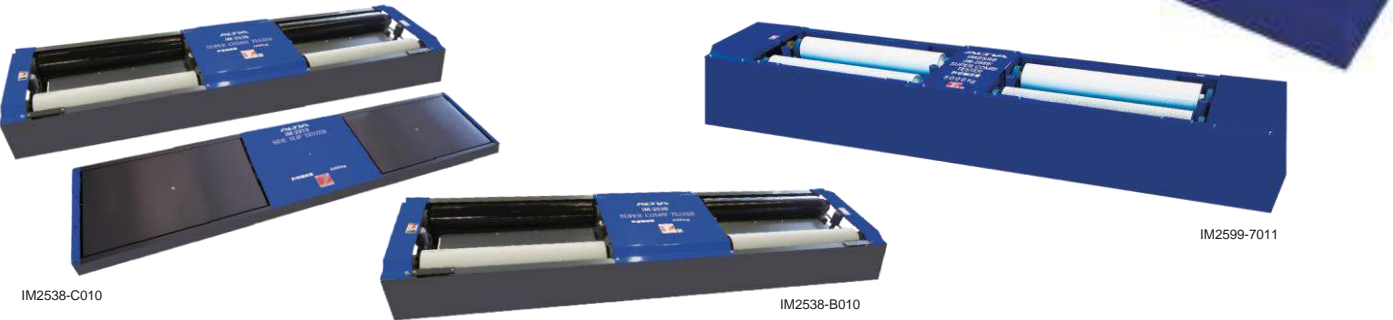
Product No. IM2538-MV00 ※ Since this product is an operating side assembly, it is necessary to install a separate 4t brake + speedometer combo tester.

4t/10t brake + speedometer combo tester



It is also applicable to Paccar vehicles, Unic vehicles and other rack-mounted vehicles! (4t)

- The 4t Super Combi Tester is even thinner with a height of 240mm, which is roughly the same size as our 3t testers, reducing the construction costs arising out of replacement.
- The 4t Super Combi Tester adopts our own knurled rollers to achieve quietness and slip resistance.
- The 10t Super Combi Tester uses our own unique knurled rollers to achieve quietness and slip resistance.
- 4t Super Multi Tester displays brake speed and side slip with 1 meter.



4t Quiet A-B-S	4t Quiet B-S	10t B-S	10t Quiet B-S
Super Multi Tester Product No. IM2538-C010	Super Combi Tester Product No. IM2538-B010	Super Combi Tester (Groove Roller Type) Product No. IM2599-7011	Super Combi Tester (Silent Roller Type) Product No. IM2593-7011
<ul style="list-style-type: none"> Allowable axle load: 4t Dimensions: 2,680 (W) x 1,270 (D) x 240mm (H) Meter: Digital/hanging type 	<ul style="list-style-type: none"> Allowable axle load: 4t Dimensions: 2,680 (W) x 650 (D) x 240mm (H) Meter: Digital/hanging type 	<ul style="list-style-type: none"> Allowable axle load: 10t Dimensions: 3,700 (W) x 800 (D) x 520mm (H) Meter: Digital/hanging type 	<ul style="list-style-type: none"> Allowable axle load: 10t Dimensions: 3,700 (W) x 800 (D) x 520mm (H) Meter: Digital/hanging type

Headlight tester

Altia headlight tester

- ① Supports downward pointing (low beam) ② Supports fog lamp (lower limit height: 25 cm) ③ Equipped with cross-line laser ④ Supports HID/LED lamps

Automatic from lamp alignment to measurement



Smart-VIS

Image processing - Automatic type

Product No.	IM2774
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Manual lamp alignment and automatic measurement through image processing



Smart-VIS

Image processing - Manual type

Product No.	IM2703
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Manual measurement through image processing



Smart-VIS

Image processing - Visual type

Product No.	IM2707
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Manual measurement



PICK UP!

Screen type

Product No.	IM2714
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Emission tester UREX-5000V II

- Warm-up time is only 4 minutes!
- Easy calibration for correct measurement at all times
- Uses a display with organic EL for high visibility!



EG 1802-5000



2 gases

Product No.	EG1802-0000
HC	CO


4 gases

Product No.	EG1802-5000		
HC	CO	CO ₂	O ₂

5 gases

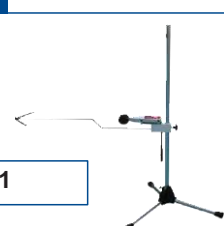
Product No.	EG1802-5500			
HC	CO	CO ₂	O ₂	NO

Compact volume meter and arrow stand



Compact volume meter

Product No.	IM2801-A000
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Arrow stand

Product No.	IM2801-4001
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■ Maximum height: 1,500 mm

Transmission-type smoke meter Opacity meter

Excellent operability with a handy remote control!



Smart-VIS

DEX-200

Product No.	IM5021-0000
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Basic type for easy operation



Smart-VIS

Product No.	IM5050-0000
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Visible light transmittance tester

■ Easy measurement by pinching the inside and outside of the window glass with the measuring instrument

PICK UP!

In order to comply with safety standards, the transmittance of the front and side glass must be 70% or more.



PT-500 (with calibration certificate)

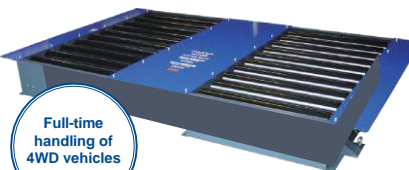
Product No.	IM2897-0100
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(Light projecting unit) (Light receiving unit)

4t/10t free roller

- Combined with a Super Combi Tester for efficient and safe measurement

Full-time handling of 4WD vehicles




IM2488-0000

4t	
Product No.	IM2488-0000

- Allowable axle load: 4t (when passing)
- Dimensions: 2,890 (W) x 1,780 (D) x 290mm (H)
- Applicable wheelbase: 1,800 - 3,200 mm

Also suitable for inspection of large vehicles with 2 rear axles



IM2594-0000

10t	
Product No.	IM2594-0000

- Allowable axle load: 10t
- Dimensions: 3,100 (W) x 850 (D) x 420mm (H)

Portable free roller Full Time Helper



Product No. IM2485-0000

- Allowable wheel load: 500 kg



Product No. IM2486-1000

- Allowable wheel load: 1,000 kg

PICK UP!

This is convenient!



Stand for Full Time Helper

Product No.	IM2485-ST00
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- Compatible with IM2485-0000 and IM2486-1000

Vehicle inspection equipment

Alignment

Specific maintenance and aiming

Lift and jack

Lifts for large vehicles

Vehicle washing equipment

Chassis equipment

Scan tools and battery-related equipment

Labor-saving and efficiency-improving equipment

Body repairing and painting equipment

Alignment

For easy operation and speedy alignment measurements!

Current state of driver assistance technology

Current driver assistance technology has progressed to the "Level 2" stage where the system supports both steering operation and acceleration/deceleration. In Japan, major technological leaps have led to an increasing number of ASVs (advanced safety vehicles) equipped with collision-mitigation brakes and lane-keeping assistance systems, making it mandatory for new passenger cars released after November 2021 to be equipped with automatic brakes.

Necessity of alignment adjustment

Have you ever experienced something like this while driving?

- If you don't hold the steering wheel firmly, the car won't go straight...
- It is difficult to drive on a curve...
- Poor fuel economy...
- Uneven wear of tire is terrible...



!CAUTION!

If this phenomenon is left unchecked, expenses may be incurred due to deterioration of components and uneven tire wear, or accidents may be caused due to a decrease in the recognition ability of safety functions and errors in the driving direction.

- Drive straight
- Turn properly
- Stop securely

It is important to adjust and understand the alignment correctly on a daily basis in order to maximize the ability and drive safely, improve the fuel efficiency and reduce the frequency of tire replacement.

What is required to maintain the performance of Advanced Safety Vehicle (ASV)?

In order to maintain the performance of Advanced Safety Vehicles (ASVs), the following procedures must be followed to correct and repair the body.

Body alignment

For more information, see page 25.

This is the work to correct the body structure (frame) and exterior panel (outer panel) of the vehicle that are deformed due to an accident or the like. The technicians measure the dimensions of the frame and restore it according to the data of the body dimensions drawing from the car manufacturer.

Wheel alignment

Check the alignment of tires and suspension, including toe, camber and caster, and check if there is any deviation from the manufacturer's default alignment values. Make adjustments as necessary.

Aiming adjustment

For more information, see page 7.

In addition to removing exterior parts with cameras and millimeter-wave radars, and replacing windshields with cameras, etc., the calibration work is performed when painting the outer body panels after frame corrections. It is performed for proper operation of the advanced safety devices.

Wheel alignment tester

Quick Aligner 3D AutoBoom



Product No. IM2340-0000

- Before the aiming adjustment, it is essential to adjust and confirm the wheel alignment! Achieves overwhelming cost performance.

※ The wheel clamp in this image is wheel-mounted. This product also comes with an enfolding tire clamp as standard..



If you have any problems, please call our Alignment Support Center for free support for 1 year!!

YouTube

Watch the product video here



Measurement flow

Place the vehicle on the alignment lift

Place the vehicle on the alignment lift and set it to a height that makes it easy to work.



Inspection before

Check the condition of the car, including whether the air pressure is uniform and whether the tires are worn or scratched.



Install a special target to the wheel

An enfolding tire clamp should be used! No need to worry about scratching the wheel.



Select vehicle mode and enter vehicle information

Follow the instructions on your PC to select your vehicle and enter details such as vehicle number.



Start measurement!

The camera will automatically recognize the target. After recognition, follow the on-screen instructions to set the vehicle back and forth and turn the steering wheel left and right.



Measurement completed!

After the measurement is completed, the measurement results can be checked on the screen, and the measured values before and after adjustment can be printed. In addition, since the measured values are updated in real time, it is possible to check the values while adjusting the chassis.



Make work easier by using your tablet or smart telephone!

POINT

You can confirm the measured value at hand and operate the screen!

※ Supports iOS/Android devices. Tablets and smartphones are not included. Please prepare it by yourself. You will need to install a dedicated app.

※ The screen is an image



Support your alignment business with the customer management function!



When measuring alignment, it is possible to manage customer data by entering information such as the registration number, chassis number, and customer name.

POINT

Registered information can be viewed in the Data Manager and can be printed in the form of a report. In addition, by utilizing the reminder function, you can propose maintenance and inspection to the customer at a later date.



Testimonial from a user who has introduced this product (Plant A in Yamanashi Prefecture)

We have recently introduced the Quick Aligner 3D Autoboom to replace the laser-type alignment tester we have been using for many years. The maximum wheel size we could handle before was 20 inches, but now we can measure up to 24 inch wheels, which is very helpful as it has increased the number of vehicle models we can handle. In addition, since it can display live measured values, and can provide a variety of displays (from the overall display of parameters to the individual magnified display of each axis), and can also display measured values that match adjustment items such as jack-up adjustment, it is very convenient to use. You can now print a report of your measured values and make adjustments while confirming the measured values with the customer.

Wheel Alignment Tester for Large Vehicles

Jumbo 3D SUPER

Jumbo 3D SUPER



Product No. IM2330-0000

Easy and speedy alignment measurement for large vehicles

Cost reduction is achieved through alignment adjustment of large vehicles

※According to our survey

Regular alignment adjustment reduces cost!!

Tire cost and fuel cost

Tire cost (alignment adjustment for every 15,000 km)

~ 30% down!!

Fuel cost (average fuel usage)

~ 5% down!!



Increased safety awareness even for large vehicles!

CHECK!
First of its kind in the world!
Four high-performance 3D cameras enable quick alignment measurements for large vehicles! Exactly!

Applicable to large trucks (up to 5 axles), buses and trailers!

Understanding alignment measurements before aiming

Tires last longer with the correct alignment measurements!
Contributing to improved fuel efficiency!



Vehicle position confirmation screen



Runout measurement screen



Steering measurement screen



Measurement result screen



Dual monitor



Equipped with dual monitor at the lower part of the tester.

You can check and adjust the values even from inside the pit.

Checking the screen on a tablet



Measurement screens and measurement results can also be displayed on your tablet or smartphone! Measured values can also be checked from inside the pit where the screen is difficult to see, contributing to efficient work.

※ Supports iOS/Android devices. Tablets and smartphones are not included. Please prepare it by yourself. You will need to install a dedicated app.

3D Alignment Tester V3400

- Easy! High accuracy!
High Spec Alignment Tester



Product No. IM2396-0000

Alignment Lift

- Alignment lift is essential for alignment measurement and adjustment!



3t (Drive-on/Upper Deck)

Multi-alignment lift MUS30HU

Product No. LM4189-0010

■Lifting height: Drive-on, 1,650 mm/upper deck 350 mm

2.7t

Macro Alignment Lift (Above-Floor Type) MUL-27G

Product No. LM4174-0000

Macro Alignment Lift (Pit Type, Red) MUL-27G

Product No. LM4174-0POR

■Lifting height: Lower deck 1,570mm

Camber Gage Attachment for Aluminum Wheels

- Whether it is a wheel that is difficult to attach a magnet or a domestic or overseas model, it can cope with a wide range of wheels!
- Can be installed without damaging the wheel



Usage image

HG-206

Product No. IM2366-0000

* This product does not come with a camber gage.

Alignment

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Specific maintenance and aiming

Shortening work time with the latest aiming tool indispensable for ASV (advanced safety vehicle)

What is specific maintenance??

■ Regarding the *Bill for Partial Revision of the Road Transport Vehicle Act* and Specific Maintenance

The *Bill for Partial Revision of the Road Transport Vehicle Law* was promulgated on May 24, 2019, and the specific maintenance system came into effect on April 1, 2020 .
 (Due to the revision of the inspection standards, considering the impact on the issuance of the safety standards compliance certificate at the designated plant, the inspection standards will be implemented in October 2021)

"Specific maintenance" refers to maintenance that expand the definition to include the following repairs and modifications: In recent years, a dramatically increasing number of advanced safety technologies have been equipped for new vehicles, such as "automatic braking" and "automatic lane keeping". These technologies consist of high-level and complex sensing devices and electronic control devices. When they fail, they can be modified and repaired without removing them (may affect their operation).

The name has been changed from conventional "disassembly and maintenance" to "specific maintenance", which is directly related to the safe operation of the car, and is quite difficult (requires the effective use of the maintenance manuals and scan tools), so the maintenance of electronic control devices has been added.

Device	Maintenance and modification to be carried out after removal	Maintenance and modification that does not involve removal but affects operation
Motor	Conventional "disassembly and maintenance"	Expanded definition (Example) Adjustment of camera, radar, etc.
Power transmission device		
Driving device	Changed the name to "specific maintenance"	Expanded definition (Example) Adjustment of camera, radar, etc.
Steering device		
Braking device	Expanded range	Expanded definition (Example) Adjustment of camera, radar, etc.
Buffering device		
Coupling device	Expanded range	Expanded definition (Example) Adjustment of camera, radar, etc.
Automatic operation device		
Lighting device, etc.	Add a target device	
	Not covered under "disassembly and maintenance"	

Certification from the director of the district transport bureau, etc. is required.

No need

▶ Vehicle manufacturers, etc. are obliged to provide technical information required for inspection and maintenance to certified maintenance businesses.

■ What is the work subject to specific maintenance?

The following work (maintenance of electronic control unit) is subject to specific maintenance (= aiming adjustment) as it is directly related to the safe operation of vehicles and it is difficult to perform maintenance work (requires the effective use of the maintenance manuals and scan tools).

- Maintenance and modification that may affect the removal and operation of the automatic operation device
- Disassembly and functional adjustment of the camera, which is used in the Advanced Emergency Braking System (so-called "automatic braking") and the Automatically Commanded Steering Function (so-called "lane keeping") for sensing the situation ahead (※)
 ※ Maintenance and modification that do not involve the removal of above devices, such as coding work that makes the ECU recognize that a camera or radar has been connected, or optical axis adjustment without removing the camera or radar
- Removal and installation of the front part of the vehicle (bumper and grille, to which the camera, radar, etc. related to ① and ② are attached) and the window glass
 * After that, it is necessary to adjust the functions of the camera, etc.



For details on specific maintenance regulations and equipment, please refer to the *Certification, Designation, and Specific Maintenance Guidance* issued by our company or the homepage of the Ministry of Land, Infrastructure, Transport and Tourism

What is the essential sensor for ASV (advanced safety vehicle)?

The markets are speeding up the introduction of ASVs (advanced safety vehicles) equipped with collision mitigation brakes, lane keeping assist, and adaptive cruise control. In addition to improving the performance of safety equipment, safety standards for collision mitigation brakes have been clearly established, and the era of "Sensor Fusion", which enables high-precision control via multiple sensors, has arrived.

Therefore, it is required that various sensors be able to be aimed at even in the aiming operation of specific maintenance.

Camera

Cameras act as a substitute for the human eyes, and now more and more models are equipped with multiple cameras, not just at the back of the room mirror, to control automatic braking (collision damage mitigation braking). People expect more functions that can replace the human eyes in the future, such as using AI (artificial intelligence) to perform image recognition based on information from cameras, recognize surrounding objects, pedestrians, traffic lights and signs, detect white lines on roads, and collect and process information.

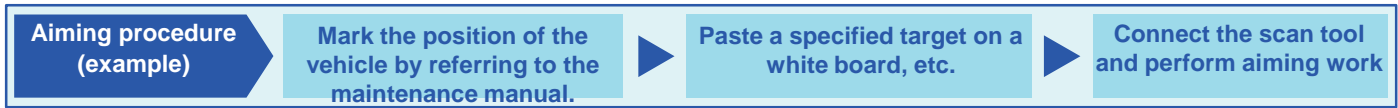
Millimeter-wave radar

Millimeter-wave radar is used for tracking functions, etc., and millimeter-wave refers to extremely high-frequency electromagnetic waves with a frequency band of 30 GHz to 300 GHz. It is used to measure the distance to an object based on the time difference between when the radio wave is sent from the transmitting antenna to the object, and when reflected and returned to the receiving antenna. Millimeter-wave radar emits radio waves with extremely strong linearity, and is less susceptible to adverse weather conditions such as rain and snow.

The millimeter-wave radar, which is less susceptible to light, is expected to be used as a sensor that complements the functions of cameras and LiDAR.

LiDAR

It emits laser light such as infrared ray, which hit objects in the front or in the surroundings, and receives the returned light with a light receiver to measure the distance based on the time difference at that time. Conventional 2D type LiDAR often only measure horizontal surfaces, but the recent advent of the 3D type LiDAR has made it possible to measure multiple horizontal surfaces at once. This makes it possible to distinguish between pedestrians, bicycles and other vehicles, not only because it can measure the distance to the surrounding objects, but also because it enables measurement of an object.



Multi-aiming support tool **ADAS MASTER**

- Easy to aim at the vehicle directly with 3 line lasers!
- Excellent visibility with green line laser!

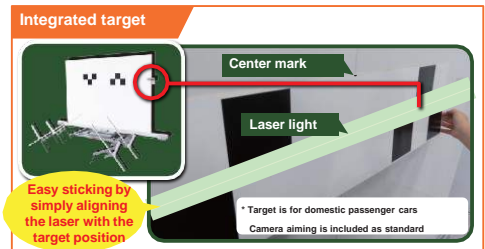
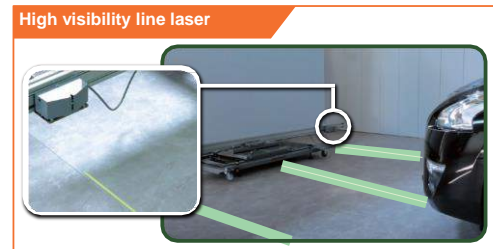
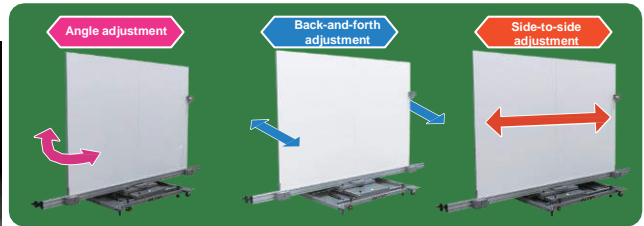
- Target provided for camera aiming as standard! (Only for domestic vehicles, excluding some vehicles)
- Equipped with a guide laser for easy sticking of target



By adjusting the panel **back and forth**, from **side to side** and the angle of the panel

It is possible to aim at the vehicle directly without moving it!

Facing the vehicle directly is easy!



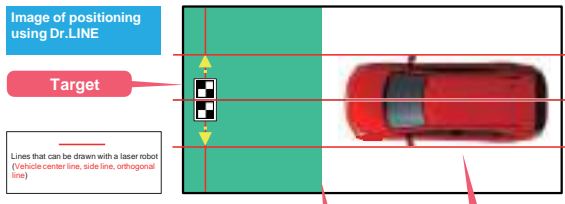
Product No. **IM2310-0000**

Aiming Support Tool **Dr. LINE** Patent pending

Easy positioning of the target reflector during laborious aiming adjustment!
With a dedicated laser robot, it is possible to project the light onto the vehicle center line, side line, and orthogonal line specified in the maintenance manual.

Aiming Target Board

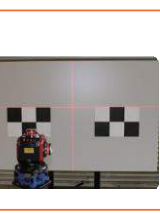
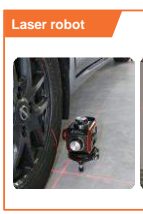
- Ideal for sticking multi-sized targets!



Supports magnetic targets!



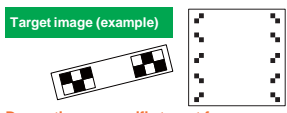
Aiming Support Tool - Dr.LINE
Product No. **IM2320-0001**



Product No. **IM2321-0001**
Board size: 1,400 (W) x 900 (H)
(Excluding the stand) Stand depth is 710 mm
※ This product does not come with the targets.

Aiming target

- Easy sticking with the magnetic type!

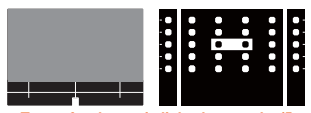


Domestic car-specific target for camera aiming (12 types from 7 manufacturers)

Product No. **IM2324-0000**
Standard target for ADAS MASTER

Target for imported cars (2 types from 3 manufacturers)

Product No. **IM2322-1000**
Mercedes Benz · BMW · AUDI



Target for domestic light-duty trucks (5 types from 3 manufacturers)

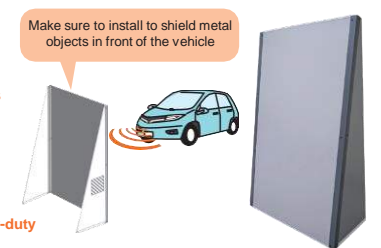
Product No. **IM2322-2000**
Hino Dutro · Mitsubishi Fuso Canter · Isuzu Elf

Target for domestic medium-sized and heavy-duty trucks (5 types from 3 manufacturers)

Product No. **IM2322-3000**
Isuzu · Hino · UD

Millimeter-wave absorption panel

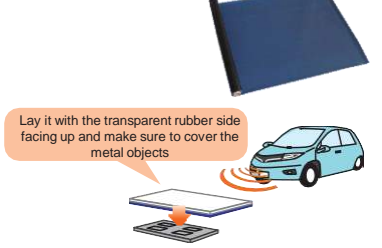
- Ideal for shielding immovable metal objects because it can prevent diffused reflection of millimeter-waves by metal.



Product No. **IM2325-1000**
Panel size: 1,065 (W) x 530 (D) x 1,807 (H) mm

Millimeter-wave absorption sheet

- Ideal for shielding floor-mounted objects such as lifts and side-slip testers because it can prevent diffused reflection of millimeter-waves by metal.



Product No. **IM2325-0000**
Sheet size: 1 m x 2 m

Please refer to page 19 for scan tools required for aiming work ▶▶▶

Lift and jack

Altia Original Small Car Lift

Link-type lift

Mega Power III/Mega Power Flat Lift



A very popular model that can lift up the vehicles with both **boards** and **arms**

- Altia's original link structure. Can lift up the vehicles with little sway due to vertical rise
- Equipped with 3-section arms, it can be used for vehicles from light cars to large SUVs and small trucks.
- At the bottom of the lift, the floor-contacting surface is flat, including the arms!
Smooth movement of oil equipment and tool cabinets in and out of the warehouse, providing a safe working space



Altia's anti-rust lift uses hot-dip galvanizing on the standing board, base frame, and safety claws to reduce rust on the lift caused by snow and snow melting agent adhering around the bottom.



LM8385-F100

3.2t Board 3-section arm

Mega Power Flat Lift

Product No. **LM8385-F100**

■ Flat when rising ■ Lifting height: 1,800mm

LM8385-3000

3.2t Board 3-section arm

Mega Power III (Built-in Unit Type)

Product No. **LM8385-3000**

■ Lifting height: 1,800 mm

LM8387-3000

3.2t Board 3-section arm Can be installed on SS

Mega Power III (Separate Unit Type)

Product No. **LM8386-3000**

■ Lifting height: 1,800 mm

3.2t Board 3-section arm
Mega Power III (Built-in Unit Type, with Rustproof Plating Specification)

Product No. **LM8387-3000**

■ Lifting height: 1,800 mm

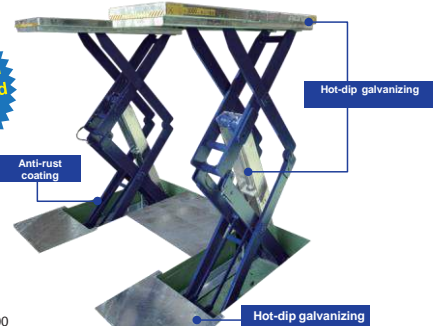
Link-type lift

EP Lift



Ideal for servicing small passenger cars!
Basic model of link-type lift

- At the bottom of the lift, the floor-contacting surface is flat!
Smooth movement of oil equipment and tool cabinets in and out of the warehouse, providing a safe working space
- The 3t Slim Slide Board (LM8762-0000) can be added to the pit of the conventional fixed board without additional earthworks.



LM8760-F100

3t Slide Board
Slide Board (Built-in Unit Type)

Product No. **LM8760-0000**

■ Lifting height: 1,750 mm

3t Slim Slide Board
Slim Slide Board (Built-in Unit Type)

Product No. **LM8762-0000**

■ Lifting height: 1,750 mm

3t Slide Board Can be installed on SS
Slide Board (Separate Unit Type)

Product No. **LM8761-0000**

■ Lifting height: 1,750 mm

3t Slide Board
Slide Board (Built-in Unit Type)

Product No. **LM8766-0000**

■ Lifting height: 1,750 mm

Portable lift

ES Lift

Ideal for the work with a request that "I want to raise the car a little bit!", such as tire change, body repair, etc. (The maximum lifting height is 870mm)



- Portable, so ideal for use in confined workplaces or as a sub-lift for simple tasks

- With the minimum lifting height of 105mm, it is possible to lift up the AERO-equipped vehicle.

2.5t Board Movement OK

Electro-hydraulic Type

Product No. **LM4070-0002**

■ Lifting height: 765 mm

2.5t Board Movement OK

Air-hydraulic Type

Product No. **LM4070-1002**

■ Lifting height: 765 mm

Vehicle inspection equipment

Alignment

Specific maintenance and aiming

Lift and jack

Lifts for large vehicles

Vehicle washing equipment

Chassis equipment

Scan tools and battery-related equipment

Labor-saving and efficiency-improving equipment

Body repairing and painting equipment

Gantry 2-post lift/2-post lift with **increased rigidity**. Equipped with **3-section slide arms** as standard.

- Sturdy construction with 1 cylinder + chain synchronization.
- Ideal for a wide range of vehicles with different wheelbases thanks to 3-section arm. Easy to set up, even the cars with low vehicle height, due to its excellent usability!
- The High Post Wide can lift such vehicles as Caravan and Hiaces to a high position, allowing even tall mechanics to work with more space.
- Gantry 2-post lift is ideal for plants with ceiling height restrictions, and where many box trucks are warehoused.

PICK UP!

The arms of the gantry 2-post lift for car washing adopts the plating treatment!



LM8329-0000



LM8334-0000

4t
Gantry Offset

Product No. **LM8333-0000**

■ Lifting height: 1,800 mm (1,750 mm for embedded type)

4t
Gantry Wide

Product No. **LM8334-0000**

■ Lifting height: 1,800 mm (1,750 mm for embedded type)

3.2t
2-post Lift Offset

Product No. **LM8329-0000**

■ Lifting height: 1,800 mm (1,750 mm for embedded type)

4t
2-post Lift Wide

Product No. **LM8332-0000**

■ Lifting height: 1,800 mm (1,750 mm for embedded type)

4t
Gantry High Post Wide

Product No. **LM8336-0000**

■ Lifting height: 1,800 mm (1,750 mm for embedded type)

4t For car
Gantry High Post Wide (For Car Washing)

Product No. **LM8336-W000**

■ Lifting height: 1,800 mm (1,750 mm for embedded type)

With a wide variety of optional products, it contributes to the improvement of workability and plant beautification !

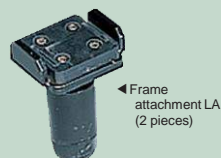
Options



MP III SKY MAX
Extension attachment

Product No. **LM8385-0100**

◀ Extension attachment (L/H: 4 pieces each)



MP III SKY MAX
Frame attachment LA

Product No. **LM8200-0300**

▶ Frame Attachment HA (2 pieces)



MP III SKY MAX
Frame Attachment HA

Product No. **LM8200-0400**

▼ Speedy attachment (4 pieces)



SKY MAX II・III
Speedy attachment

Product No. **LM8200-1000**



SKY MAX
Attachment storage bracket

Product No. **LM8330-0100**

▶ Attachment storage bracket (2 pieces)

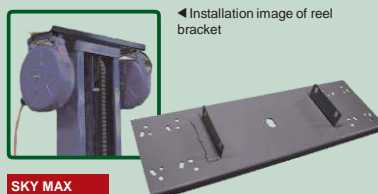


SKY MAX III
Arm accessories bracket

Product No. **LM8330-0200**



◀ Arm accessories bracket (4 pieces)



SKY MAX
Reel bracket for 2-post lift

Product No. **LM8200-0100**

◀ Installation image of reel bracket



SKY MAX
Reel bracket for gantry 2-post lift

Product No. **LM8204-0100**

※ This image shows two pieces of LM8204-0100 installed.

PICK UP! This is convenient!

Recharge your phone, tablet, and scan tools! No need to worry about where to put it or where to charge it!



Blue tablet holder for SKY MAX

Product No. **LM8330-030B**

Red tablet holder for SKY MAX

Product No. **LM8330-030R**

Embedded flat lift

Arneo

- The floor below the lift is flat no matter the lift is lowered or raised, resulting in excellent workability!
- Enables the cars to be moved in or out of the warehouse smoothly



2-way type

3t Embedded Flat

2-way slide plate (air type)

Product No. LM5107-KAUJ

3t Embedded Flat For car washing

WNNZ30KA

Product No. LM5107-30KA

3t Embedded Flat

Swing arm (electric)

Product No. LM5108-3WPU

3t Embedded Flat For car washing

WNNZ30WP

Product No. LM5108-30WP

■Lifting height: 1,790 mm



Swing arm type

Embedded lift

Space Lift

- Achieves efficient chassis repair work



Swing arm type

3t Embedded

Swing arm type

Product No. LM5106-30WU

■Lifting height: 1,700 mm

3t Embedded

Plate type

Product No. LM5105-30AU

■Lifting height: 1,700 mm

※Space Lift also has the model for car washing.



Plate type

Tortoise G

- With a thin design (minimum height of 105 mm), it can also be installed on floors above the second floor! (Floor type)
- Patented synchro cylinder for reliable hydraulic synchronization!



2.5t Floor-mounted

Product No. LM4259-00A0

■Lifting height: 1,800 mm

2.5t Embedded

Product No. LM4259-0PA0

■Lifting height: 1,800 mm

Multi Lift

- Flat when it descends to the lowest point, and also flat when it goes up, guaranteeing safe maintenance
- A diverse lineup with or without upper lift and with different board length
- With a load capacity of 4 tons, drive-on maintenance of minibuses and the like is possible.



Drive-on: 4t Upper deck: 3t Flat

MUS40UF

Product No. LM4195-F010

■Lifting height: 1,980 mm for drive-on/350 mm for upper deck

Drive-on: 4t Upper deck: 3t

MUS40U

Product No. LM4195-0210

Macross Super Low

Drive-on + freewheel work is possible without pit construction!

- Realizes a minimum height of 168 mm!

The long standing slopes allows the workers to stand on them smoothly.

- The unit is separate, so it can be installed on SS *Embedding is also possible.



Drive-on: 3t Upper deck: 2t

MUL30

Product No. LM4177-0000

■Lifting height: 350 for upper deck mm/1,600 mm for drive-on

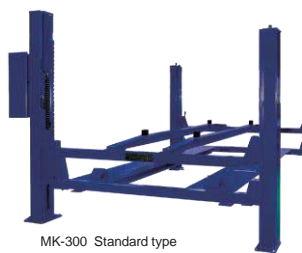
Drive-on: 3t

MUL30E

Product No. LM4178-0000

4-post lift Lift Master

A diverse lineup for vehicles from passenger cars to mid-sized trucks and minibuses



MK-300 Standard type



MK-300 Drive-on-Panto type



MK-300 Drive-on type



MK-450 Standard type



Usage image

3t For passenger cars and small trucks

MK-300 Standard type

Product No. **LM4324-0000**

■ Lifting height: 1,700 mm

For 3t passenger cars and small trucks

MK-300P Drive-on-Panto type

Product No. **LM4326-0000**

■ Lifting height: 1,700 mm
■ Pantograph lifting height: 340 mm

3.5t For passenger cars and small trucks

MK-350 Standard type

Product No. **LM4327-0000**

■ Lifting height: 1,700 mm

3.5t For passenger cars and small trucks

MK-350D Drive-on type

Product No. **LM4328-0000**

■ Lifting height: 1,700 mm

4.5t For medium/small trucks and minibuses

MK-450 Standard type

Product No. **LM4320-0000**

■ Lifting height: 1,675 mm

For 5t medium/small trucks and minibuses

MK-500 Standard type

Product No. **LM4321-0000**

■ Lifting height: 1,675 mm

Air Garage Jack



LM4451-A000

2t Low For passenger

ASJ-20ML

Product No. **LM4551-A000**

■ Lowest position of jack pad: 98mm

3t Low For passenger Short type

Product No. **LM4717-0000**

■ Lowest position of jack pad: 85mm

3t Low For passenger

ASJ-30ML

Product No. **LM4452-A000**

■ Lowest position of jack pad: 98mm

3t Low For passenger Short type

Product No. **LM4718-0000**

■ Lowest position of jack pad: 95mm

10t Low For large-sized vehicles

Product No. **LM4454-0002**

■ Lowest position of jack pad: 140mm

NLA-201R

High Transmission Jack

Allows 1 person to perform transmission maintenance on vehicles from light vehicles to passenger cars



300kg For passenger cars

Product No. **LM4481-0000**

■ Lowest position of jack pad: 150mm

Truck Jack

Easy-to-use handle for improved workability



1st section: 30t · 2nd section: 15t

BAJ-120W Spec2

Product No. **LM4456-121W**

■ Lowest position: 120 mm

One-section type: 30t

BAJ-300 Spec2

Product No. **LM4556-3001**

■ Lowest position: 190mm

Have you forgotten? Daily inspections! Qualified lift inspectors will carry out safety inspections!

● What is the condition of wire ropes and chains?

When was the last time you inspected the wire ropes and chains?

● How to check the safety devices?

It is very important to check the operation of safety devices! Raise and lower the lift and check that the safety devices operate properly.

● How is the wear of the rubber pad?

If the rubber pad is worn, the balance of the vehicle body will be lost, which is very dangerous. Replace it periodically.

● What is the condition of each bolt and nut?

Are the bolts and nuts on each part of the lift loose?

If the bolts and nuts are loose, the lift will become unstable when it is raised, which is very dangerous. Ensure that tightening is carried out reliably.

※ Certified by Japan Automotive Service Equipment Association

To customers using our lifts

— Notice of periodic inspection of the lift —

In order to prolong the service life of our products, which you have been using on a daily basis, we offer paid inspections by our qualified lift inspectors. For safe usage at all times, in addition to the daily inspection by customers themselves, reliable inspection by a qualified person is indispensable. We recommend early detection of defects through routine inspections and complete maintenance through regular inspections.

What is a "Qualified Lift Inspector"?

This qualification system was established on March 20, 2007 by the Japan Automotive Service Equipment Association for the purpose of properly inspecting automobile maintenance lifts and preventing accidents.

Lifts for large vehicles

Lifts for large vehicles that emphasize safety and durability

Caterpillar-type Flat Lift

2 to 5 posts

A diverse lineup that allows you to choose the number of posts according to the vehicle model to be serviced.

■ Adopts the Flat & Flat mechanism

Whether the lift is raised or lowered, the floor is always flat for excellent safety and workability.

FLAT and FLAT

Whether the lift is raised or lowered, the floor is always flat, and the area near your legs is always unobstructed! In addition, peripheral equipment can be moved smoothly, improving work efficiency! A safe working space is guaranteed.



※The lift shown in the image is a custom-made combination of 4-post lift + 5-post lift.



Attachment trolley (optional)

- Accommodates all standard attachments!
- Safe with low-platform type! Reduces the burden on the hands and back associated with moving in and out of the attachments

High work efficiency

5S measures



LM4142-1RFF dedicated model

Product No. **LM41AD-0000**

3-section vertical type

Product No. **LM41AD-1000**

Hydraulic extension/retraction pedestal

Patent No. 6656116



Are you struggling with setting up the pedestal?

- Working in confined spaces is inefficient and dangerous for workers
- The setting of the pedestal is very heavy work.
- Depending on the tire, it tends to be set easily from an oblique angle...



Improved safety

High work efficiency

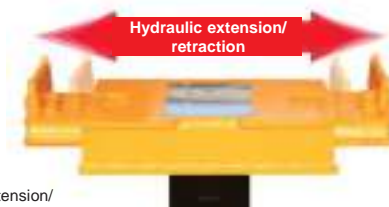
That struggle will be solved by the hydraulic extension/retraction pedestal!!

16t x 2 posts

Hydraulic Extension/ Retraction Pedestal (Vertical Storage Type)

Product No. **LM3032-20CF-S**

※Flat lifts larger than twin lifts can be custom-made according to the specifications of the hydraulic extension/retraction pedestals.



You can watch the video of the hydraulic extension/retraction pedestal.

32t 16t x 2 posts Twin

Product No. **LM4142-1RFF**

48t 16t x 3 posts 3 posts

Product No. **LM4143-1RFF**

64t 16t x 4 posts 4 posts

Product No. **LM4144-0RFF**

Front Lift

- Compact design with integrated hydraulic unit
- Square posts + unique internal structure ensure high safety
- Low oil volume/high pressure type



FLAT

※ This image is of a flat type (FLAT&FLAT)

13t Cylindrical type (flat type)

Product No. **LM4148-0TFF**

15t Pit type (flat type)

Product No. **LM4149-00FF**

10t Pit type

Product No. **LM4130-0001**

10t Cylindrical type

Product No. **LM4130-001T**

- Capacity: 10t/13t/15t
- Lifting height: 1,000 mm

Medium Pressure Test Lift

- Test lift that can be selected to suit maintenance and car washing applications
- Floor-mounted and separate hydraulic unit for high maintainability



11t For maintenance

Product No. **LM4120-G000**

11t For car washing

Product No. **LM4120-GW00**

15t For maintenance

Product No. **LM4121-G000**

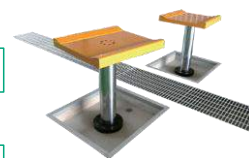
15t For car washing

Product No. **LM4121-GW00**

■ Lifting height: 1,000 mm

For car washing Wheel Uplift

- Greatly improves car washing efficiency in combination with the underside washer!



5t + 5t

Product No. **LM4141-0000**

Floor Lift

High work efficiency

Improved safety

Pursuing high work efficiency and ease of use according to the needs of the site!

- A lift that raises and lowers the pit floor to achieve safe and fast work.
- It can be used for everything from quick work to heavy work, such as oil change and transmission change.

A variety of customization and introduction cases

▶ With separate panels

Opening/closing image

Only the panel that you want to lower can be lowered, so there are no unnecessary openings!

It is possible because it has the separate panels!

Safe simultaneous work is possible on the front and rear of small and medium-sized vehicles!

By holding the panels between the vehicles, the risk of falling is prevented!

▶ Pit lift

▶ Stairs + slide covers

▶ Panels for avoiding falling into the pit

Load capacity: 150kg/250mm²

- Lightweight panels for easy opening and closing
- Can be installed to existing pit openings

▶ Oil drip pan

Maintenance system of large vehicles

Quick Service Trio

High work efficiency

Improved safety

Various responses to quick maintenance and heavy maintenance with the combination of floor lift + axle lift!

- Achieve efficient and safe work for low-floor vehicles, non-step buses, etc.
- Upper and lower simultaneous maintenance is possible, that is performing maintenance from above by holding the axle lift and from below by lowering the floor lift.



7m specification

Product No. **LM4190-1010**

12m specification

Product No. **LM4190-1020**

▶ Axle lift

Capacity: 5t + 5t

Altia Original Axle Lift! The only maintenance lift in the industry

▶ Transmission lift (optional)

Please store it inside the pit when not in use!

▶ Safety equipment (optional)

- Emergency stop device
- LED light
- Anti-entry cover
- Emergency stop wire
- Anti-pinch phototube ※ The laser beam is an image
- Fixed operation switch

▶ Customized parts of the lift (optional)

- Reel
- Oil server
- Cord reel
- Air reel
- Oil reel
- Oil server for waste oil and LLC

The Quick Service Trio can be combined with customized floor lifts for more efficient maintenance.

Column Lift



- It can be installed anywhere in a horizontal surface, and effective use of the work space can be achieved!



10t/unit Wireless synchronization of each column

Product No. **LM4348-0000**

- 4 units/set

Frame Lift Series

Combined with the front lift to increase efficiency!



10t Rear insertion type

Big 10

Product No. **LM4353-0000**

- Lifting height: 510 mm
- Low profile: 295 mm (body height)

15t

Big 15

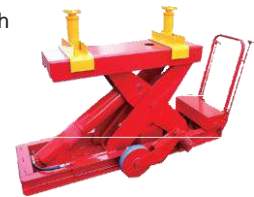
Product No. **LM4354-0000**

- Lifting height: 470 mm

Low-profile type

Truck Lift Series

Allows for smooth movement!



10t Side insertion type

Product No. **LM4357-1000**

- Lifting height: 600 mm
- Low profile: 300 mm (body height)

15t

Product No. **LM4357-1500**

- Lifting height: 600 mm

Vehicle washing equipment

We back up a wide range of car washing businesses, such as daily car washing, manual car washing and interior cleaning with the latest items.

Leave the body and chassis washing to the high pressure washer!

High pressure hot water washer Mega Shine

Fuel-efficient, lightweight and compact! Eco-friendly high pressure hot water washer

For small vehicles

Eco1200-II Deluxe Type
Product No. **CS7112-10DX**

- Flow rate: 900 L/h
- Pressure: 11 MPa

Eco1200-II Standard Type
Product No. **CS7112-10ST**

For medium-sized vehicles

1300 HP (50 Hz)

Product No. **CS7113-0000**

1500 (50 Hz)

Product No. **CS7115-0000**

- Flow rate: 1,000 L/h (1300 HP)/1,500 L/h (1500)
- Pressure: 11 MPa (1300 HP)/9 MPa (1500)

1300 HP (60 Hz)

Product No. **CS7113-6000**

1500 (60 Hz)

Product No. **CS7115-6000**

For large

2000 (50Hz)

Product No. **CS7020-0000**

3000 (50 Hz)

Product No. **CS6030-0000**

- Flow rate: 1,650 L/h (2000)/2,050 L/h (3000)
- Pressure: 10 MPa

2000 (60Hz)

Product No. **CS7020-6000**

3000 (60 Hz)

Product No. **CS6030-6000**



High pressure cold water washer Aquashine

Cold Water

1200

Product No. **CS7001-0000**

- Flow rate: 900 L/h
- Pressure: 11 MPa



Recommended for underside washing!

Cold Water

3000GIGA (50 Hz)

Product No. **CS7003-0000**

3000GIGA (60 Hz)

Product No. **CS7003-6000**

- Flow rate: 2,110 L/h
- Pressure: 6 - 7 MPa



Multi-functional car washer to support high value-added car washing!

High pressure hot water foam car washer

Power Fall AW-01H

- With high-pressure water + high-pressure detergent + foam + water expulsion + hot-water washing, multi-functional washing is possible with just one unit!



High value-added car washing



Standard painting

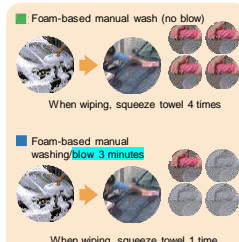
Product No. **CS6251-00H2**

Labor-saving wiping after car washing!

Hand Blow BL-11-L

Improves work efficiency!

- Cumbersome water wiping work is greatly improved by a powerful blow!



Example of number of wipes after car washing (sedan type)

A low-noise blower adopted!



Product No. **CS6253-BL11**

Ideal for new value-added cleaning!

Seat cleaner

HOT-FOAM SW-15

- Cleaning with fine mousse allows everyone to deliver uniform and stable cleaning results



Product No. **CS6254-SW15**

It can be used in conjunction with a gantry car washer! It effectively cleans dirt and snow melting agents from the chassis!

Automatic underside cleaning device

- Automatic washing of the chassis is possible without moving the vehicle!



JR-54

Product No. **CS9002-0001**

JR-75

Product No. **CS9004-0000**

Fixed underside washer

- Helps to significantly reduce working time and labor required for chassis cleaning compared to manual car washing!
- Powerful cleaning, effective for cleaning potassium chloride and mud stains



A special nozzle for effective underside cleaning!

* A separate high-pressure washer is required for the introduction of the underside washer.
※ Depending on the washing environment, it may be necessary to introduce multiple high-pressure washers.

JR-70 For passenger

Product No. **CS9003-0000**



Aquashine 300 GIGA

Powerful cleaning for satisfactory cleaning effect!



JR-65 For large vehicles

Product No. **CS9001-0000**

Washing, coating*, and blowing all in one unit! It can deal with labor shortages and contribute to high work efficiency!

*The availability of coating function depends on the model.

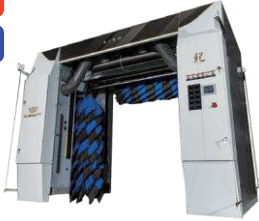
Gantry car washer

KINO

- Footprint is 4m x 8m, achieving space-saving installation
- Equipped with "X-style control" that uses 3 brushes for cleaning! Enhanced power to clean the upper and lower parts of the side of the vehicle and areas near the side mirrors

For passenger cars

Space-saving type



Product No. **CS6678-0000**

NewT-X II

- Able to handle car length of up to 5,200 mm, and can wash large one-box cars such as Hiace!

For passenger cars



Product No. **CS6675-0000**

KABUTO II

- Achieves high-quality and profitable car washing with an option-rich car washing menu!

For passenger cars

High value-added car washing



Product No. **CS6676-0000**

KAI

- Achieves an overwhelming reduction in the burden of washing the large vehicles!
- Comes with diverse options such as cold weather specification and water-repellent coat course

For large vehicles



Product No. **CS6607-0000**

Zekus

- Footprint is 4m x 8m, achieving space-saving installation
- First of its kind in the industry! Equipped with front side brush!

For passenger cars

Space-saving type



Product No. **CS6681-0000**

Dispect III

- Achieves high cleaning power with a total of 5 brushes!

For passenger cars



Product No. **CS6629-001M**

■Machel specification

Magic Through

- High-speed washing of cars contributes to the revenue of the stores that have introduced this machine

For passenger cars

High value-added car washing



※ The continuous car washer Magic Through is available on special order.

Camion Custom

- 4 minutes per car, the fastest car washing in the industry! (When washing a 10t car/12m body back and forth for one round)
- Operability, safety and cleaning power have been further enhanced!

For large vehicles



Product No. **CS6680-0000**

Powerful cleaning of the objects to be cleaned with high power!

Keep your plant floor clean and tidy!

Parts washer

Floor scrubber



JW-200PB II

Product No. **CS6388-000K**

- Maximum size/weight of washing target: Φ630xH300mm/100kg



L-800C

Product No. **CS6320-080C**

- Maximum size/weight of washing target: Φ800xH400mm/120kg

Compact type that can be carried with one hand



Vispa xs Scrubber

Product No. **CS6958-0000**

Easy-to-operate self-propelled type



Antea 50 BT (self-propelled)

Product No. **CS6961-1000**

Compact type that achieves strong cleaning power



Automatic Floor Scrubber

Product No. **EG-3a**

A highly effective cleaning tool that thoroughly cleans every corner of your car!

"Sukkiri Clean" with a dust collector, for cleaning the inside of the car in a short time



I am concerned about the smell of cigarettes, pets, etc.

It takes a long time to vacuum

Larger cars, such as one-box cars in particular, require a lot of effort to clean

Those troubles you are facing

Even if I spend lots of time and effort, it will not lead to profits

Unable to remove all debris from gaps of steps and seats

"Sukkiri Clean" solves them!

Uses special pulse air items with high cleaning effects and disinfecting and deodorizing chemicals!
We provide the know-how to complete the interior cleaning (dirt removal + disinfection + deodorization) of seats, steps, instrument panels, etc. in just 30 minutes!

Product No. **CS7600-S000**

Set



Sponge

Cloth for inner window

Chemicals

Interior disinfectant, deodorant, door finishing agent, seat/mat cleaning agent



We also provide manual, manual DVD, and sales promotional data filled with know-how!



Dedicated antibacterial deodorant + pulse gun to disinfect the interior of your car!

Introduction video of "Sukkiri Clean"



※ The manual, manual DVD, and sales promotion data are included only when you purchase "Sukkiri Clean". It is not included in the single product.
※ Various cleaning items can also be purchased individually. ※ The disinfectant/deodorant's sterilization effect on all viruses has not been proven.

Chassis equipment

If you are aiming for labor-saving and reliable maintenance, our latest equipment is your first choice!

Tire changer Smart Winning Series

Applicable maximum rim diameter is 24 inches

※ Supports rim diameter of up to 22 inches, except for RSW-06EZ



Altia original tire changer that allows you to choose from various functions and equipment variations

Equipment list (RSW series)

● Standard equipment △ Optional - Not equipped

Model	RSW-06EZ	RSW-05EZ	RSW-03	RSW-02	RSW-01M	RSW-01	RSW-00	RSW-21
Bead press	●	●	●	●	—	●	—	—
Mount press	●	●	●	●	—	—	—	—
Inflator	●	●	●	—	△	△	△	△
Compact press	—	—	—	—	●	—	—	—
Leverless device	●	●	—	—	—	—	—	—

RSW-06EZ

Product No. **WS3299-06ET**

RSW-01M

Product No. **WS3299-606M**

RSW-05EZ

Product No. **WS3299-06ER**

RSW-01

Product No. **WS3299-6006**

RSW-03

Product No. **WS3299-8006**

RSW-00

Product No. **WS3299-5006**

RSW-02

Product No. **WS3299-7006**

RSW-21

Product No. **WS3299-4006**

■ Applicable rim diameter: 10 to 22 inches (RSW-06EZ only supports 12 to 24 inches)
■ Applicable rim width: 3.5 - 13 inches (RSW-21 only supports 3.5 - 11 inches)

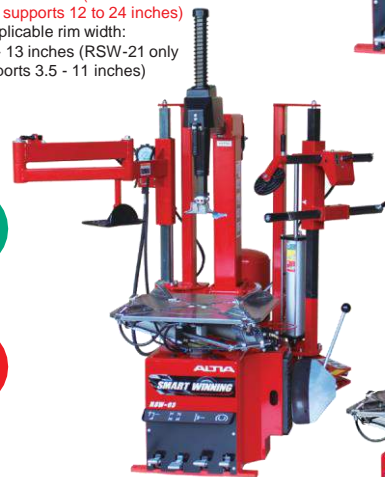
Mount press



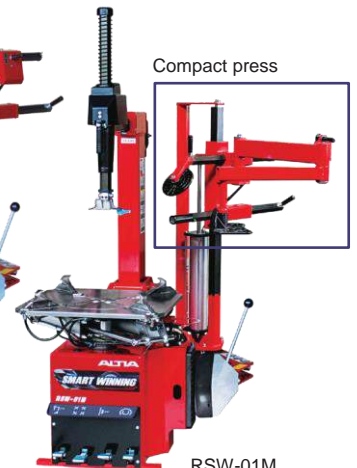
Bead press



RSW-05EZ



RSW-03



RSW-01M

The standard equipment has been upgraded to make it even easier to use!

Vertical arm cover [all models]

For preventing dirt from adhering to the vertical arm and improving safety during work.



Improved safety!

Tire cream container [all models]

Equipped with a tire cream container that is indispensable when changing tires, contributing to improved workability.



Improved workability!

Independent operation of upper and lower rollers of bead press

Work is now possible without the bead press interfering with the tire.



Improved workability!

Wheel balancer Smart Load Series



Applicable maximum rim diameter is 30 inches

* In the case of manual operation



Equipment list (NSR series)

● Standard equipment △ Optional - Not equipped

Model	RSR-LA, RSR-X, RSR-S	RSR-V	RSR-H
Automatic input system	Distance and rim diameter	Distance	Distance
Aluminum auto system	●	—	—
Simple input system	—	—	—
Auto position search	●	—	—
WAS system	●	—	—
LED lighting device	●	△	△
Laser sensor - fully automatic input	●	—	—
Automatic rim width input	—	△	—
Fine mode switch	●	●	●

RSR-LA

Product No. **WS3210-L000**

■ Applicable rim: 10-26 inches in diameter/2-15 inches in width
For manual input of the entire lineup
Applicable rim: 10 - 30 inches in diameter

RSR-S

Product No. **WS3210-S000**

■ Applicable rim: 10-20 inches in diameter/2-15 inches in width

RSR-V

Product No. **WS3210-V000**

■ Applicable rim: 10-20 inches in diameter/2-15 inches in width

RSR-H Hand spin type

Product No. **WS3210-H000**

■ Applicable rim: 10-22 inches in diameter/2-15 inches in width

RSR-X

Product No. **WS3210-X000**

■ Applicable rim: 10-26 inches in diameter/2-15 inches in width



RSR-LA



RSR-X



RSR-S



RSR-V



RSR-H

Vehicle inspection equipment

Alignment

Specific maintenance and stiring

Lift and jack

Lifts for large vehicles

Vehicle washing equipment

Chassis equipment

Scan tools and battery-related equipment

Labor-saving and efficiency-improving equipment

Body repairing and painting equipment

We can also replace and balance tires of large vehicles!

**Tire changer
Mega Wining II**

- Ideal for replacement of tubeless tires!
- Double action method to speed up work!



TB LT Tubeless
Product No. **WS3955-1000**

- Applicable rim diameter: 16 - 22.5 inches
- Maximum tire diameter: 1,100 mm
- Maximum tire width: 300mm

**Tire changer
Giga Wining**

- Achieves fast and comfortable changing work!
- Double action method to speed up work!



OR TB LT AG Tubeless
Product No. **WS3303-0000**

- Applicable rim diameter: 16 - 35 inches (with extension bar mounted: 35 - 52 inches)
- Maximum tire diameter: 2,400 mm
- Maximum tire width: 1,250 mm

**Wheel balancer
Mega Road II**

- From passenger cars and large vehicles, this one unit covers all your balancing needs!

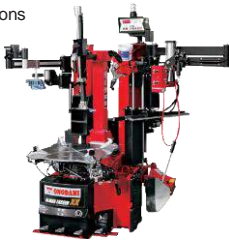


TB LT (optional) PC (optional)
Product No. **WS3197-2000**

- Applicable rim: 10-30 inches in diameter/2-20 inches in width
- Measurable weight: Up to 150 kg

**Tire changer
Exceed XX**

- Top model comes with various specifications
- Also applicable to ultra-flat tires!



Product No. **WS3316-0000**

- Applicable rim diameter: 10 - 26 inches (10-22 inches/12-22 inches/14-26 inches)
- Applicable rim width: 3.5 - 14 inches

Corno Tire Changer

- Standard model (5020TI) for a wide range of needs

※ This image shows the 5020TI-2S equipped with options.



5020TI-2S (2-speed specification)
Product No. **WS4600-0000**

5020TI-B (explosion-proof specification)
Product No. **WS4600-1000**

- 5020TI: Applicable rim: 10-20 inches in diameter/4-13 inches in width

5024TI-2S (2-speed specification)
Product No. **WS4600-4000**

5024TI-B (explosion-proof specification)
Product No. **WS4600-5000**

- 5024TI: Applicable rim: 10-22 inches or 12-24 inches in diameter (select when ordering) /4-14 inches in width

Corno Wheel Balancer

- Measurement time is 5 seconds! Laser line as standard equipment



9015W (explosion-proof specification)
Product No. **WS4702-0000**

For reducing the impact of bursting when the tire is filled with air, contributing to improved safety!

**Safety enclosure for air filling
Mega Safety II**

Have you taken safety measures when filling tires with air?

Under the Occupational Safety and Health Act, businesses are required to use equipment such as safety enclosures to prevent burst tires from flying towards the workers.



WS3198-2100

Single-row type: Automatic air filling

Product No. **WS3198-2100**

Double-row type: Automatic air filling

Product No. **WS3198-2200**

- Applicable tire diameter: 1,200 mm
- Applicable tire width: Within 560 mm opening width

A labor-saving item that is indispensable for chassis maintenance! Ideal for improving work efficiency and dealing with labor shortages!

Wheel Dolly



Mobile **NWD-500G**

Product No. **WS4050-0000**

Rail type

Product No. **WS4055-0000**

Tattler



TH200-SW

Product No. **WS4065-0000**

Tire Dolly

- Reduces the burden of 4 actions: picking up, transporting, putting down and unloading!
- Four tires of $\Phi 530$ (light vehicle) to $\Phi 820$ (RV) can be transported at the same time!



When transporting

When unloading



NTP-217B (Standard Type)

Product No. **WS4053-0000**

Power Torque Setter

- Built-in electronic control controller enables advanced tightening torque management



PTS-800E

Product No. **WS3710-0000**

- Set torque range: 400 - 800 N (10 N-m step)
- Air usage: 0.56m³/min
- Body weight: 11.8kg (without socket)

**Large Impact Wrench Hoist
Leg Car**

- Even a large, heavy impact wrench can be operated upward, downward, leftward and rightward with light force
- Safe and quick installation and removal of tires for large vehicles



NRH-618

Product No. **WS3741-0000**

NRH-618H (Standing Type)

Product No. **WS3742-0000**

Brake Disc Grinder

- Equipped with automatic run-in/out correction rotor matching system!



PFM 9.1DRO

Product No. **WS3002-1000**

- Applicable disc diameter: 120-380mm
- Applicable disc thickness: 5 - 40 mm

PFM 9.2DRO

Product No. **WS3002-2000**

- Applicable disc diameter: 102-420mm
- Applicable disc thickness: 5 - 40 mm

Vehicle inspection equipment

Alignment

Specific maintenance and airing

Lift and jack

Lifts for large vehicles

Vehicle washing equipment

Chassis equipment

Scan tools and battery-related equipment

Labor-saving and efficiency-improving equipment

Body repairing and painting equipment

Scan tools and battery-related equipment

Supporting specific maintenance, and battery and EV-related maintenance with the latest tools!

Android tablet-based scan tools SSS-T2 Series

Powerful support for the diagnosis business with a scan tool that "shows diagnostic data" and "proposes suggestions" to car owners!

- Reduction of vehicle information input by reading the QR code of vehicle inspection certificate (SSS-T2)
 - Not only domestic cars, but also imported cars are well diagnosed! (Imported car unit)
 - 10.3-inch tablet for easy viewing of data monitor and graphs
 - Cordless diagnosis improves work efficiency!
- SSS-T2+ (a full set: SSS-T2 and dedicated model for imported cars)

Product No. **EG3005-5000**

SSS-T2 Dedicated SSS-T2 for imported cars

Product No. **EG3005-0000**

Product No. **EG3005-SC00**



Scan tools for specific maintenance

Domestic passenger cars, domestic trucks and imported cars

Supports all 23 manufacturers!*

Vehicle data updates after purchase

Free for 3 years*

Repair consultation hotline

Free for 1 year

* Data updates of imported cars are free for one year (all 54 manufacturers included)

Improved function

Reads the QR code of vehicle inspection certificate to get the vehicle information! Reduces the troublesome vehicle information input for improved workability. It also prevents human errors such as wrong selection.

Improved function

It is possible to adjust the optical axis of the front recognition camera of ASV (advanced safety vehicle) and to adjust the aiming of millimeter-wave radar.

※ Some car models and vehicles are not supported.

Tire, battery and oil change mode (TBO mode)

The complex registration and data clearing usually carried out in brake oil bleeding mode, idling-stop vehicle battery replacement mode, AT/CVT oil/tire replacement mode, etc. now can be performed through a series of operations in this epoch-making mode.

An

Tire

Sensor registration after change and rotation of summer/winter tires of vehicles equipped with TPMS



Battery

Judgment on the necessity of vehicle battery replacement, and clearing of data on cumulative current after replacement



Oil

Service lamp reset after engine oil change, oil temperature check before AT/CVT oil change, removal of air from electric oil pump after oil change and clearing of deterioration data



Vehicle inspection and maintenance

Confirmation of the amount of refrigerant charged in air conditioner, air bleeding when replacing cooling water in HVs, air bleeding of brake fluid, switchover to maintenance mode, etc.



Printing image of diagnostic report



Issuance image of aiming work certificate

This is a great product to keep your PC and scan tools well organized!



Vehicle health checkup

You can perform a vehicle health check and print a diagnostic report with your Wi-Fi printer.

In addition, by reading the QR code of the vehicle inspection certificate with the built-in camera, you can save the effort of entering vehicle information.



PC and scan tool cart

Product No. **GW9507-0000**

SSS-α II

Scan tools for specific maintenance

- Multipurpose, ideal for diagnosis and aiming of domestic passenger cars, domestic trucks and imported cars!



Product No. **EG3004-0000**

What can be done with SSS-all?

- Diagnosis • Active test • Data display
- Work support • Freeze frame
- Customization

Vehicle data updates after purchase

Free for 2 year

■ Nissan car battery change screen



Android tablet-based scan tools Scan Pad

Scan tools for specific maintenance

- Supports the diagnosis of vehicles from more than 100 vehicle manufacturers, including domestic and imported vehicles



Vehicle data updates after purchase

Free for 3 year

Repair consultation hotline

Free for 1 year

Product No. **EG3201-0000**

Automatic quick charger



Supports idling-stop cars

Supports mini bikes and diesel vehicles

Brain Max BR-MAX70iS
Product No. **BS6602-0000**

HR-MAX70D (Silicon Type)
Product No. **BS6591-070D**

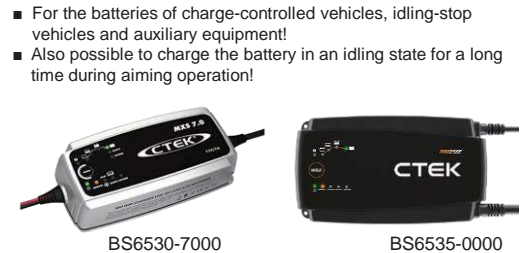
Battery charger and power supply



■ Powerful backup of up to 100A is possible during customization and aiming!
■ Great for exhibitions and events due to its size that can be stored under the car
■ Reprogramming voltage can be set at 13 to 14.8V

INC-100J
Product No. **BS6534-0000**

CTEK battery charger



■ For the batteries of charge-controlled vehicles, idling-stop vehicles and auxiliary equipment!
■ Also possible to charge the battery in an idling state for a long time during aiming operation!

MXS7.0JP
Product No. **BS6530-7000**
■ For 12V lead battery

PRO25SEJP
Product No. **BS6535-0000**
■ Compatible with 12V lead/lithium batteries

Battery system analyzer AA1000RP

■ Charge display in percentage - You can manage everything from numerical SOC, battery starting and charging, to customer management, on your computer!



Product No. **BS6608-1000**

Pro booster DSR132

■ For gasoline cars of up to 8000CC and diesel cars of up to 5000CC!



Product No. **BS6609-2000**
■ For 12V cars only ■ Maximum output: 1200A

Start booster

■ Resistant to deterioration, and capable of charging and discharging for 1 million times!



C10-12V (for 12V cars only)
Product No. **BS6666-0000**
■ Maximum output: 3,500 A

C15-24V (for 24V cars only)
Product No. **BS6667-0000**
■ Maximum output: 4,500 A

C1-TR-1224V PRO25SEJP (for 12V/24V cars)
Product No. **BS6668-0000**
■ Maximum output: 20,000A for 12V cars and 10,000A for 24V cars

Have you taken measures to maintain your EV?

We are pursuing a policy of decarbonization that does not rely on limited petroleum energy in various industries and industries in consideration of the global environment, CO2 reduction, and global warming. In the automobile industry, the popularization of EVs (electric vehicles) that do not rely on gasoline or petroleum is accelerating, mainly in Europe, and domestic car manufacturers have set targets for their introduction. In the future, with the popularization of EVs (electric vehicles), the maintenance environment of the automobile aftermarket will also change dramatically, and each maintenance plant will need to introduce new equipment to match the times, such as insulation tools and special equipment to prevent electric shock and damage.

Insulating tools



KLIN-27-FULLB
Product No. **HT2000-2000**

KLIN-27-SELB
Product No. **HT2000-4000**

※ In order to use insulating tools safely, it is necessary to set an expiration date of 3 years from the date of purchase, and once-a-year inspections are required for continued use.

Stacker

Effectively transports EV batteries.



※ The product image is for illustrative purpose only.

Electric table lifter

Supports safe EV battery maintenance.



※ The product image is for illustrative purpose only.

Quick charger



Product No. **BS6800-0000**

Battery charging and discharging machine

For efficient charging and discharging of EV batteries.



※ The product image is for illustrative purpose only.

Module balancer

For adjusting the balance of the EV battery cells.



※ The product image is for illustrative purpose only.

Airtightness tester

For measuring the airtightness of the EV batteries.



※ The product image is for illustrative purpose only.

EV/PHEV charging items

Charging reel



Charging cable

Product No. **GW8870**

※ The image of the charging cable is for illustrative purpose only.

Vehicle inspection equipment
Alignment
Specific maintenance and aiming
Lift and jack
Lifts for target vehicles
Vehicle washing equipment
Chassis equipment
Scan tools and battery-related equipment
Labor-saving and efficiency-improving equipment
Body, repairing and painting equipment

Labor-saving and efficiency-improving equipment

A lineup of labor-saving items that are essential for the times to come!

Dedicated equipment is required for safe and sound gas recovery and regeneration of HFO-1234yf (R-1234yf)!

Air conditioner gas recovery/regeneration equipment

- For three applications: cleaning, gas recovery, and gas charging.
- Equipped with a large-capacity dry filter and a powerful vacuum pump for basic performance
- Suitable for hybrid vehicles and EVs
- Automatic metering and filling of gas, oil and fluorescent agent!
- Equipped with automatic flushing system!
- Equipped with an automatic air discharge function!
- Fully automatic air conditioner service, such as recovery, regeneration, vacuuming, and refilling, is made possible with just one machine!



For R-134a and R-1234yf
Multi-purpose 2-way Ecomax
WSCS-YF134WS

Product No. **EE6427-5000**



For R-134a and R-1234yf
RSA-780R

Product No. **EE6415-2000**

■ 2-cylinder specification



For R-134a and R-1234yf
OKC-DUAL-PT (with printer)

Product No. **EE6416-2001**

Gas charger Manifold gage set

- Adopts liquid return method (PAT)! Prevents refrigerant discharge loss and quantitative filling error



For R-1234yf
CP-2VS-YFE (for POE oil)

Product No. **EE6431-1000**

For R-1234yf
CP-2VS-YFG (for PAG oil)

Product No. **EE6431-0000**

Oil changer



MO-D12 (rechargeable and cordless)

Product No. **LS6018-0000**



T-75N (electric, draining from above)

Product No. **LS5467-0002**

■ Tank capacity: 70L



OD-700PG-R (with hand pump)

Product No. **LS5420-100R**

■ Tank capacity: 55L



T-80DK-NR (with coupler)

Product No. **LS6016-100R**

■ Tank capacity: 80L



Oil drain ND-100

Product No. **LS6016-4000**



Drain cart ND-80

Product No. **LS6016-6000**

Oil drain

Drain cart

Fully Automatic ATF/CVTF Changer

Increased efficiency and profitability with fully automatic ATF changer!

For hybrid
Compatible with level gageless

CLIMAX AMC-1000

Product No. **LS6000-1000**

CLIMAX AMC-1000 (with printer)

Product No. **LS6000-100P**

AFC-3000TP

Product No. **LS5104-0000**



LS6000-1000



LS5104-0000

Brake Fluid Changer High Bleeder BB-1000R

- Compatible with various advanced brake systems! Supports streamlining of services from light to large vehicles.

Compatible with light to large vehicles



Product No. **WS3376-10RS**

■ Dimensions: 450 (W) x 490 (D) x 920mm (H)

Engine Auto Refresher

- Removes the semi-solid sludge and carbon attached to the engine oil lines without disassembly work, and restores the performance to that of a new car!



Product No. **EG1916-0000**

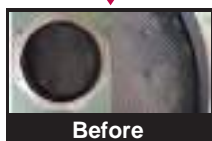
DPF Quick Refresher II

A major revolution in DPF maintenance!

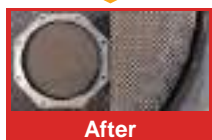
- Powerfully cleans the PM and ash in the DPF using a dedicated machine!
- The DPF can be cleaned while on board the vehicle! No need to remove it.



Contributes to reducing DPF cleaning time and improving fuel efficiency!



Before



After

500,000km driven. The number of forced burns has increased...



DPF differential pressure value: 9.8kPa

4.9kPa

YouTube
Watch the product video here



SOS signal of DPF!

- Poor fuel economy
- Engine does not emit exhaust
- Power has been lost.
- Forced combustion of DPF is common
- Black smoke or white smoke is emitted



Conventional

DPF removal/ installation



Manual washing

Working time

About 5 hours

DPF Quick Refresher II

- 2 hours!

Nozzle set



Automatic washing

About 3 hours

※ The working time of both processes includes forced combustion with a diagnostic machine.

Options

Removal and cleaning is also automated with the off-the-car attachment!

M size (φ185mm)

Product No. EE5001-4000

L size (φ268mm)

Product No. EE5001-5000



Product No. EE5001-0000

Product No. EE5000-2000

(Sold separately) Initially introduced chemical set (for about 3 units)

Reel

Air Hose Reel SHS-210A

Product No. CM6923-0000

L Edge Light Reel SCS-310EA

Product No. GW9193-6000

Remote Control Reel SPS-308A

Product No. GW9153-0000



CM6923-0000



Achieves a safe working environment due to slow rollback!

Slow Motion Air Reel SHS-210ASLOW

Product No. CM6923-000



Exhaust Hose Reel S3-5SNR

Product No. EE6312-0000

Wireless Noise Catcher

- Excellent usability with wireless communication!
- With the installation of dedicated software, it is possible to display noise waveforms and frequency components, and save data!



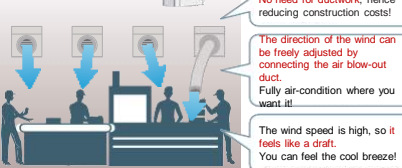
Product No. EG1641-0000

Spot and zone air conditioning system FLEX AIR

- Achieves spot air conditioning and zone air conditioning even in buildings such as factories and warehouses where overall air conditioning is difficult due to no partitions and high ceilings!
- The air conditioner can be applied to the targeted area, so you can deliver cool winds to each person!
- Individual operation possible! Ideal for reducing power waste!



Introduction case



No need for ductwork, hence reducing construction costs!

The direction of the wind can be freely adjusted by connecting the air blow-out duct. Fully air-condition where you want it!

The wind speed is high, so it feels like a draft. You can feel the cool breeze!

Assist Vest "TASCHEL"

- It assists posture without power, reducing back pain caused by lifting heavy objects or staying in the same posture for a long time!



Product No. AW0200

Size: S · M · L · LL · 3L

Package-type Air compressor

- The soundproof and vibration-proof design contributes to the improvement of the working environment!



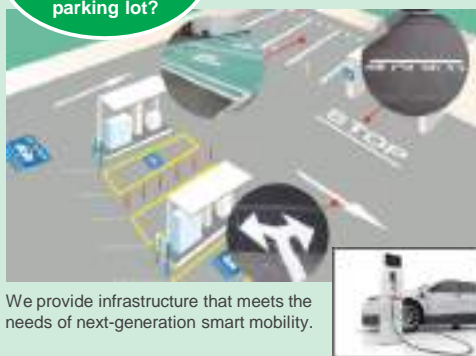
NLP-W-37P/
NLP-W-37PRD (with air dryer)

Product No. CM7120

- 50Hz/60Hz
- Rated output: 3.7kW
- Flow rate: 390 L/min

Want to create an EV charging spot in your store or parking lot?

Total Solution for EV Charging Spot



We provide infrastructure that meets the needs of next-generation smart mobility.



We accept orders ranging from total solutions for EV charging spots to construction of various road markings. Please contact our representatives for details.

Body repairing and painting equipment

Are you ready to handle high-strength steel sheets, water-based paints, and new materials?

Push-pull Painting Booth

Lineup for passenger vehicles

► CAB-08

- Highest specification in pursuit of high performance and convenience
- Achieves a "uniform and soft flow of air" with the new exhaust and supply unit



► Max · Convert · Advance Wide MC-201WH

- Next-generation painting booth with excellent operability and spacious space



► CUBIC LGS-4073

- Hot air as standard for drying water-based paints!
- Excellent workability in a spacious space!



► CX07

- New standard model with operation touch panel



Lineup for large vehicles

► CAB-747

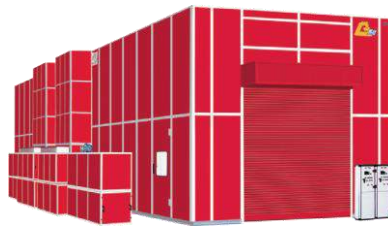
- Significant reductions in fuel consumption, power consumption, and maintenance costs are possible



► G-MAX

※ The image is of a shutter-type booth (optional)

- Creates a spacious and bright work space



► CUBIC LGS-5016

- With push-pull and heat-circulation functions, it improves productivity and provides a high-quality painting environment

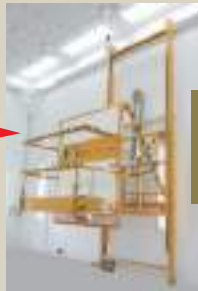


Aerial work equipment

PICK UP!

It is recommended to introduce aerial work equipment that achieves a high degree of safety when painting large vehicles.

- Image of Cubic series LGS-BB-LT-XYZ Pneumatic Access 3D lift (a type that can move back and forth, left and right, up and down)



Compact storage at the end of work!



※ We have a large lineup of painting booths, depending on guide dimensions, heat source (presence or absence and type of fuel), installation method (floor type, pit type), etc. Please contact our representatives for details.

Simple Painting Booth

► Space Booth Advance New SPB-42

- Makes the most of limited scarce!



Space Booth Advance New

For passenger cars

► Merit III

- Accordion type, with sturdy structure
- Two lineups are available: standard type and high roof type.



Simple painting booth Benefits III

For passenger cars

► Merit Grand

- Achieves effective use of space



For large vehicles

Dry exhaust system Matching Master

- Pre-filter with high dust-retention capacity prolongs the filter replacement interval
- Double filtration by pre-filter and main filter for superior repair efficiency



Product No. **KH-4N**

Hot Air Painting Machine

- Top-class model with the highest power in its class and a noise reduction function



SG2500
Product No. **BP7220-2500**

Dedicated hot-air dryer for painting booths Mighty Junior

- It can also be installed in existing booths!

Speedy drying

Time for hot air to rise to 40°C
About 10 seconds

Drying time as compared to blower operation time
Approx. 1/3

Energy-saving

Power consumption in a standby mode as compared to that in an operation mode
Approx. 1/10

Safety measures

- Explosion-proof specification
- Electric heater auto-off function

※ Comparison between general electric heater and patented hot-air generation structure



Product No. **BP9654-0000**

Painting dryer Heatup Plus

- A wide-ranging lineup, including near-infrared clear lamps, and carbon lamps for water-based paints.

1-light mid-infrared lamp HUNM-1

Product No. **BP7384-1M00**

Applicable to water-based paints

3-light carbon fiber lamp HUNK-33-D

Product No. **BP7384-3K00**

※ In addition to the 1-light type and 3-light type lineups, there are also 3-light and 6-light types.



Hanging type (special order)

Mobile hot air generator Two-light Black Carbon Heater

- Quiet! Compact! Easy to use for drying in any situation!



Product No. **BP6502-0000**

Also applicable to water-based paints!

Carbon Hand Heater

- Touch-up drying of water-based paints is made faster with the near-infrared rays + far-infrared rays!
- Workability is further improved with a dedicated hot air kit! (Optional)



Also applicable to water-based paints!

CH-600
Product No. **BP6500-0200**

Film Thickness Gage

- Vehicle coating and plating thickness can be measured
- Supports measurement of ferrous and non-metallic substrates



TG-02U
Product No. **BP7199-1000**

Toning Light

- Cordless design for excellent workability!!
- Illuminance is adjustable to 2700 lux/10000 lux.



Day Light 216
Product No. **BP7303-1000**

Sample Panel Dryer

- Accurately determines the hue of tone with forced drying!
- Color change due to drying and hardener reaction can be checked in a short time!



Also applicable to water-based paints!

Product No. **BP6501-0000**

Spray Gun Cleaner

- Speedy cleaning is possible with the power of ultrasonic wave + heat + vegetable detergent!
- Whether it is water-based or solvent-based paint, one machine can deal with both!



Spray Gun Cleaner ECO
Product No. **BP9299-0000**



Also applicable to water-based paints!



- Due to its compact size, it can be installed in convenient locations such as the wall of the painting booth or near the painting workshop!



UM80, for water-based paints (wall mounted)
Product No. **BP9303-080W**

Thinner Regenerator

- Contributes to improving the working environment by preventing an increase in storage space for dirty solvents and waste disposal costs!



URS600CE-SJ
Product No. **BP9300-601S**

URS700SSJ (stainless steel)
Product No. **BP9300-701S**

Vehicle inspection equipment

Alignment

Specific maintenance and airing

Lift and jack

Lifts for large vehicles

Vehicle washing equipment

Chassis equipment

Scan tools and battery-related equipment

Labor-saving and efficiency-improving equipment

Body repairing and painting equipment

Ultrasonic 3D alignment measuring system **SHARK 3**

- Simple, accurate and simultaneous body measurements at up to eight locations!
- Due to the ultrasonic technology, the position can be accurately determined by picking up ultrasonic waves from the probe set at the measurement point, and real-time measurement is possible!



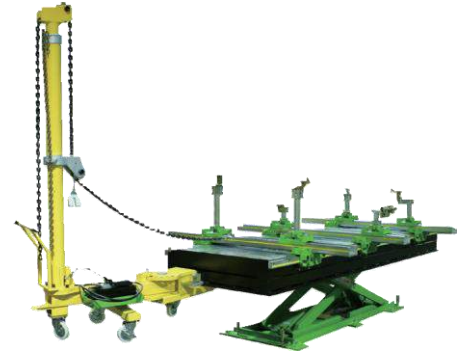
3D multi-alignment measuring system **TOUCH**

- Freely maneuverable even in narrow spaces, regardless of work environment
- Free measurement of the under and upper bodies
- The measurement data can be printed out and attached to the warranty card.



Jig bench-type frame correction machine **Enjoy Bench**

- It is possible to measure and adjust body alignment with high precision!
- Achieves a comfortable working environment with a lifting height of 1,500 mm!



Frame Correction Machine

► Body Repair Set

For minor damage



BR200

Product No. **BP7546-0120**

► Body Restore Set

For minor to medium damage



BR300

Product No. **BP7546-0119**

► Body Complete Set

For minor to severe damage



Top-of-the-line model that combines floor rails, cubic lifts and a variety of tools

BR500

Product No. **BP7546-0305**

※ The images are examples of the introduction of floor rails and cubic lifts.

► Truck Frame Correction Machine



※ The truck frame correction machine (rail type) can be made to order.

Plastic Welder

- Crack, chip, and tear of plastic exterior parts (bumpers, etc.) can be welded easily, quickly, and with high strength!
- It is possible to repair damaged bumpers due to hail and ice on the road surface, and damaged bumpers and headlight tabs due to the impact of accidents!

Repairable targets (one example)

- Bumper • Headlight tab • Washer bottle • Overflow bottle • Fan shroud
- Fender liner • Rocker panel molding • Fuse box • Air box
- Battery box • Undercover • Motorcycle fairing • ATF fender

YouTube
Watch the product video here



Repair case

Repair of damaged bumper tab

BEFORE

AFTER



Repair of bumper crack

BEFORE

AFTER



※ The image shows the condition before painting



Multiple solutions for various shapes and materials!

Apart from plastic parts, welding is also possible for other parts!
※ Limited to plastic material.



Plastic Welding Kit

Product No. **BP8054-1300**



Airless Plastic Welder

Product No. **BP8054-1000**



Nitrogen Plastic Welder With Digital Nitrogen Generator

Product No. **BP8054-0000**

Welding Fume Exhaust Device



Welding fumes have been designated as specified chemicals in the Ordinance on Prevention of Hazards Due to Specified Chemical Substances, and the employer has been required to take measures such as introducing ventilation equipment and using protective equipment for workers. (Enforced and applied from April 1, 2021)



Usage image

FBM-105 (50 Hz)
Product No. **BP8055-0105**

FBM-105 (60 Hz)
Product No. **BP8055-0106**

Stud Welder

- This unit can be used for pressing and welding the washers onto high-tensile steel plates!
- Blows out air for forced cooling when warmed up after power-on. Minimizes distortion.



Best Handman SKE-7000
Product No. **BP8006-7000**

- Single-sided welding is possible for iron plates and stainless steel plates of no more than 0.5 mm in thickness!
- Realizes continuous spot welding (seam welding) with the rolling tip!



Wonder Welder YS50Q
Product No. **BP7975-0001**

- Ideal for pulling out dented panels, correcting their distortions and butting them together!



SW-3700
Product No. **BP8052-0000**

Spot Welder

- A high-class model that combines performance and workability



For high-tensile steel plates
ALPHA V
Product No. **BP8044-0000**

- Improved functionality and visibility with a touch-panel PC



For high-tensile steel plates
MONSTER S-1001M
Product No. **BP8040-0000**
■Maximum output: 12,500 A
■Maximum applied pressure: 750 kgf

- Affordable model for high-strength steel plates
- Washer welding is also possible!



For high-tensile steel plates
KNIGHT (water-cooled)
Product No. **BP8043-000W**
■Maximum current value: 10,500A
■Maximum applied pressure: 350 kg

- Equipped with the same performance as that of those on the production lines of car manufacturers.



For high tensile steel
YSI-24EZ-C
Product No. **BP7950-9105**
■Maximum output: 11,000 A
■Maximum applied pressure: 400 daN

Plasma Cutter

- Lightweight and compact, enabling cutting operations in any working location.



KITTER II
Product No. **BP8019-1000**

Semi-automatic Welder

- Lightweight! Compact! Outstanding cost performance!
- Equipped with synergy (unified control) dial and Mild ATC function!



QC-MIG 190 Smart
Product No. **BP7954-6000**

- Inverter control allows anyone to perform stable welding work
- Also very useful in general maintenance such as muffler welding!
- Dedicated stand as standard



Mig Box M-180
Product No. **BP8010-5000**

- Can be used anywhere with a built-in device for preventing electric shock!
- Semi-automatic welding, manual welding, and TIG (optional) welding are possible!



AW-185
Product No. **BP8056-0000**

- Stable welding that is not affected by hand tremble is possible by keeping changes in current and voltage constant.
- Ideal for gap welding and tack welding, especially the repair welding for body panels! (Interval welding function)



Uni Auto 160BF
Product No. **BP7857-0001**

IH- dent repair system T-Hotbox

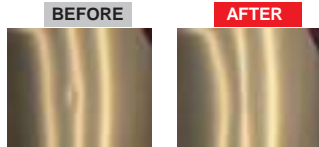
- Lightweight and compact, the process from setting to repair can be completed in a short time!



Product No. **BP8800-0000**

Aluminum dent repair Alu T-Hotbox

- Can be used to repair panels made of any aluminum alloys
- Large dents can be easily repaired!



Product No. **BP8801-0000**

Dent Lifter Kit

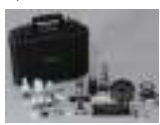
- Easy repair of small dents



Product No. **BP3500-6000**

Wind repair system ecoVacs Mini Plus Complete Kit

- Ideal for repairing damage to automobile glass caused by flying stones, etc.!
- Easy operation and short work time contribute to great profits!
- Achieves shorter work time through a simple process!



Product No. **BP8802-0000**

Vehicle inspection equipment

Alignment

Specific maintenance and aiming

Lift and Jack

Lifts for large vehicles

Vehicle washing equipment

Chassis equipment

Scan tools and battery-related equipment

Labor-saving and efficiency-improving equipment

Body repairing and painting equipment

Aiming to eliminate accidents related to maintenance equipment.....

Let's prevent accidents due to non-performance of inspections!

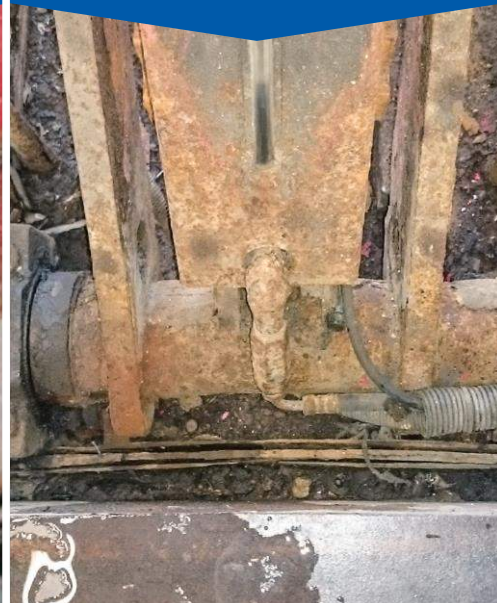
Chain breakage



Rusty wire rope



Hydraulic hose leakage



Inspection points

- Confirmation of wire rope and chain
- Confirmation of lubrication around each pin and rollers
- Confirmation of safety devices
- Confirmation of oil change and leakage
- Confirmation of wear of rubber pad
- Confirmation of abnormal noise and vibration

~To customers using our lifts~
Would you like to have your lift checked regularly?

In order to prolong the service life of our products, which you have been using on a daily basis, we offer paid inspections by our qualified lift inspectors. For safe usage at all times, in addition to the daily inspection by customers themselves, reliable inspection by a qualified person is indispensable. We recommend early detection of defects through routine inspections and complete maintenance through regular inspections.

What is a "Qualified Lift Inspector"?

This qualification system was established on March 20, 2007 by the Japan Automotive Service Equipment Association for the purpose of properly inspecting automobile maintenance lifts and preventing accidents.

ALTIA Japan Service Network

We have deployed Service Stations (NSS) throughout the country, with our branches serving as key stations. We have a perfect service support system in place.

Sapporo Branch	Sendai Branch	Metropolitan Area Branch	Kanetsu Branch	Nagoya Branch	Osaka Branch	Hiroshima Branch	Fukuoka Branch	
Whole Hokkaido	Aomori, Iwate, Miyagi, Akita, Yamagata, Fukushima	Tokyo, Kanagawa, Saitama, Chiba, Yamanashi	Ibaraki, Tochigi, Gumma, Nagano, Niigata	Aichi, Shizuoka, Gifu, Mie, Fukuji, Ishikawa, Toyama	Osaka, Hyogo, Kyoto, Nara, Wakayama, Shiga	Hiroshima, Yamaguchi, Shimane, Tottori, Okayama, Ehime, Kochi, Kagawa, Tokushima	Fukuoka, Oita, Kumamoto, Miyazaki, Saga, Kagoshima, Nagasaki, Okinawa	
NSS Kitami NSS Asahikawa NSS Asahikawa Center NSS Obihiro NSS Kushiro NSS Sapporo NSS Sapporo Higashi NSS Muroran NSS Hakodate	NSS Hirosaki NSS Tokuwada NSS Akita NSS Morioka NSS Hokujuu NSS Osaki NSS Sendai NSS Nagase NSS Date NSS Yamagata Center NSS Fukushima NSS Iwaki NSS Komachi	NSS Saitama North NSS Saitama East NSS Saitama South NSS Saitama West NSS Tokorozawa NSS Saikyo NSS Chiba NSS Keiyuu NSS Jounan NSS Juhoku NSS Jousai NSS Keihin	NSS Kohoku NSS Shin-Yokohama NSS Sagami NSS Shonan NSS Yamanashi NSS Kawaguchi	NSS Ibaraki NSS North Kantou NSS East Niigata NSS Chuetsu NSS Nagano NSS Nagano Center NSS Higashinagano NSS Matsumoto NSS Ueda	NSS Toyama NSS Ishikawa NSS Fukui NSS Hamamatsu NSS Nagoya NSS Chubu NSS Gifu NSS Tajimi NSS Higashinono NSS Mie NSS Yokkaichi NSS Ise NSS Shizuoka NSS Enshuu	NSS Shiga NSS Uji NSS Higashi Osaka NSS Yao NSS Hirakata NSS Ikeda NSS Hyogo NSS Nishinomiya NSS Kishu NSS Hanshin NSS Hannah	NSS Shimane NSS Shikoku NSS Takamatsu NSS Tyugoku East NSS Tottori	NSS Western Japan NSS Fukuoka Center NSS Hakata NSS Saga NSS Nagasaki NSS Higashi Kumamoto NSS Oita NSS Miyazaki NSS Kagoshima NSS Okinawa

Safety Notice

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

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

ALTIA Co., Ltd.

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Sales outlet



S	M	1
2	2	3



<https://altia.co.jp>

