

AUTEL MAXISYS™

# ALIGNMENT **WITHOUT LIMITS**

DIAGNOSTICS + DIGITAL INSPECTION + ALIGNMENT + ADAS CALIBRATION



## IA900WA

FOUR-WHEEL ALIGNMENT & ADAS CALIBRATION FRAME



**MAXIMIZE** PROFITABILITY & EFFICIENCY / WITH A SINGLE SYSTEM & WORKFLOW  
AT THE COST OF A TYPICAL ALIGNMENT SYSTEM

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**WEB:** [AUTEL.COM](http://AUTEL.COM)  
**SUPPORT:** 1.855.288.3587  
**EMAIL:** [USSUPPORT@AUTEL.COM](mailto:USSUPPORT@AUTEL.COM)

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## AUTOMOTIVE INTELLIGENCE

With Autel's nearly 20 years of experience developing automotive diagnostic software and tools, no company is better positioned to offer technicians a comprehensive approach to vehicle repair, servicing, and system calibration.

The IA900WA frame system, paired with the MaxiSYS Ultra tablet, is the culmination of all Autel's software and hardware expertise, offering technicians a comprehensive, all-in-one solution for diagnostics, visual component inspection, 4-wheel alignment, ADAS calibration, and report generation.

## VEHICLE COVERAGE

Industry-leading aftermarket coverage with vehicle-specific OE instructions. Autel leads the industry in ADAS calibration coverage with its ability to calibrate the cameras, radar, and lidar units on 95 percent of ADAS-equipped vehicles on the road.

Autel ADAS vehicle coverage includes Audi/Volkswagen, Toyota/Lexus, Mazda, Hyundai/Kia, GM, Chrysler, Honda/Infiniti, Mitsubishi, Honda/Acura, Nissan/Infiniti, Mercedes-Benz, Porsche, Ford, Alfa Romeo, BMW, and Subaru.

# AN INTRO TO ADAS

Advanced driver-assistance systems (ADAS), are technological features that are designed to improve driver safety and prevent automotive accidents. ADAS utilizes sensors such as radar, sonar, lidar and cameras to perceive the world around the vehicle, and either provide critical information to the driver or take automatic action to avoid or mitigate the effects of a crash.



## ADAS CAN PREVENT

<b>40%</b>	<b>37%</b>	<b>29%</b>
OF VEHICLE CRASHES	OF VEHICULAR INJURIES	OF VEHICULAR DEATHS

According to a study conducted by the AAA Foundation.

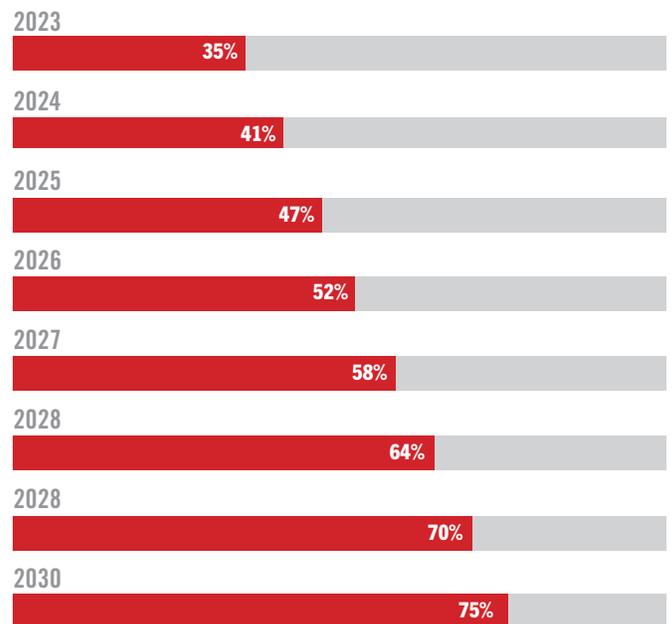
## INDUSTRY FORECAST

The growth of the ADAS Market can be attributed to the increasing adoption of ADAS systems by OEMs for product differentiation and the ever-increasing issue of road safety.

AAA and Consumer Reports report that 92 percent of new vehicles already have at least one ADAS system installed.

## ADAS-EQUIPPED VEHICLES ON NORTH AMERICAN ROADS

Based on new car sales of 16 million annually



# ADAS APPLICATIONS WHAT THEY ARE & WHAT THEY DO

ADAS sensors need to be precisely aimed and calibrated to function correctly. A sensor or camera even slightly out of alignment could result in its scanning area to be off-axis by 50 feet or more, which might cause it to miss hazards.



## ACC ADAPTIVE CRUISE CONTROL

Adjusts Vehicle Speed to Maintain a Safe Distance with Vehicles Ahead.



## AVM AROUND VIEW MONITORING

Provides 360-Degree, Bird's-Eye View to Help Drivers Park More Easily.



## RCW REAR COLLISION WARNING

Warns the Driver of Vehicles Coming Close to the Rear of Their Vehicle.



## LDW LANE DEPARTURE WARNING

Warns When the Vehicle Drifts Out of Their Lane.



## APA AUTOMATED PARKING ASSIST

Provides Audible, Visual, or Haptic Obstruction Warnings During Low-Speed Parking Maneuvers.



## LIDAR LIGHT IMAGING DETECTION

Detects Objects In Vehicle Vicinity to Create a 3D Map of Objects and Surroundings.



## NVS NIGHT VISION SYSTEM

Improves a Driver's Vision in Darkness or Poor Weather.



## BSD BLIND SPOT DETECTION

Detects and Warns Driver of Vehicles in Either Driver or Passenger Rear Corners (Blind Spot).



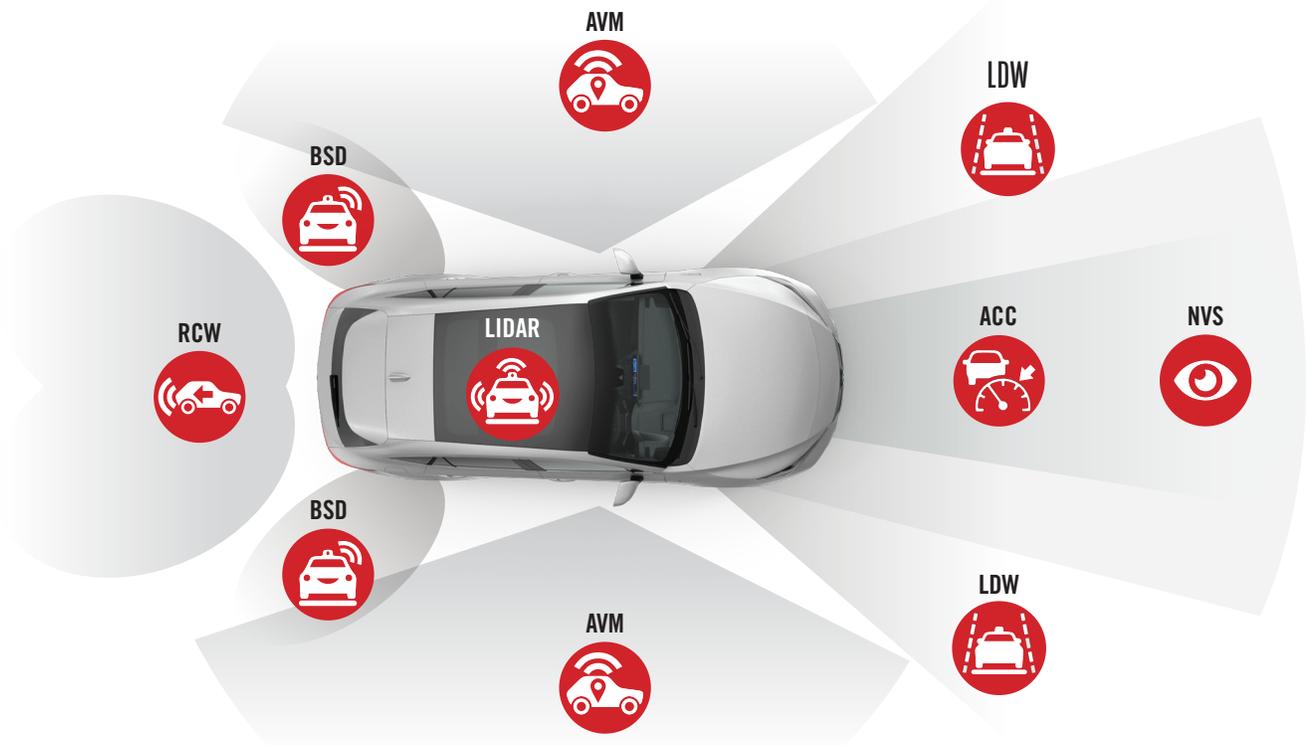
## PD PEDESTRIAN DETECTION

Alerts the Driver to the Presence of a Pedestrian In Front of Their Vehicle.



## TSR TRAFFIC SIGN RECOGNITION

Recognizes Traffic Sign Info and Visually Relays It to the Driver.



# WHEN IS ADAS CALIBRATION REQUIRED?

Whenever an ADAS sensor's aiming is disrupted in any way, an ADAS calibration is required. Disruption can happen during a collision, even a minor fender bender, or as a result of common services.

- AFTER MINOR COLLISION
- COLLISION REPAIR
- WINDSHIELD OR SIDE VIEW MIRROR REPLACEMENT
- SENSOR/MOUNTING BRACKET REPLACEMENT
- SUSPENSION REPAIRS
- WHEEL ALIGNMENT
- CHANGE IN RIDE HEIGHT OR TIRE SIZE
- FRONT AIRBAG DEPLOYMENT IF DEFLECTED OFF WINDSHIELD
- RELATED DTC IS PRESENT
- ADAS-RELATED TSBS



**SAFETY SYSTEM CHECKS SHOULD BE PERFORMED ON A SEMI-REGULAR BASIS**

**IT IS NOW RECOMMENDED THAT ADAS IS CHECKED AS OFTEN AS OTHER ROUTINE MAINTENANCE**

## ALIGNMENT & ADAS CALIBRATION ARE 2 PIECES OF THE SAME PUZZLE

Every ADAS calibration should start with an alignment inspection, and every calibration requires the vehicle to be properly aligned.



# SHOP BAY REQUIREMENTS

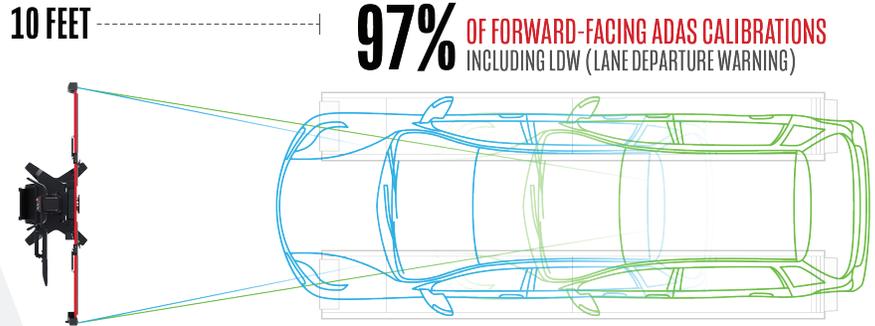
It's a misconception that ADAS calibration requires large amounts of floor space. With Autel ADAS systems, highly profitable calibrations can be performed in typical alignment and mechanical repair bay environments.

Front facing radar and camera calibrations can be performed within an alignment bay with as little as 10 feet available in front of the lift, and forward facing plus blind spot calibrations can be performed within most repair bays by repositioning the vehicle.



**ADD ADAS REVENUE**  
TO YOUR ALIGNMENT BAY

**TURN \$100 ALIGNMENTS  
INTO AN ADDITIONAL \$450\***



# MAXIMIZE SERVICE PROFITS

ADAS is the fastest growing segment in automotive repair, with 99 million ADAS equipped vehicles already on North American roads and 210 million projected by 2030. ADAS should no longer be considered extra bells and whistles — it's here to stay.

- HAVING YOUR OWN ADAS CALIBRATION SYSTEM SAVES YOU TIME AND MONEY THAT WOULD BE SPENT WORKING WITH ANOTHER SHOP
- IMPROVES CYCLE TIME AND GIVES YOUR SHOP FULL CONTROL OF THE REPAIR
- NO LONGER TRANSPORTING VEHICLES BETWEEN SHOPS INCREASES UP TIME

## KEEP ADAS WORK IN YOUR SHOP

If you are performing alignments but not ADAS, or subletting the alignment work before calibration, you are leaving potential revenue on the table. Adding the triple capabilities of the Autel IA900WA; Diagnostics + Alignment + ADAS Calibration in a single system can add an additional \$537,600\*\* in annual revenue.

\*\*Return on Investment varies based on service volume.

**GENERATE \$537K A YEAR IN ADDITIONAL ADAS SAFETY CALIBRATIONS**

**\*SEE THE FULL PICTURE AT OUR WEBSITE ►**





# AUTEL MAXISYS™ IA900WA



### ALL-IN-ONE SYSTEM:

-  DIAGNOSTICS
-  DIGITAL INSPECTION
-  WHEEL ALIGNMENT
-  ADAS CALIBRATION

### IDEAL FOR:

-  GENERAL REPAIR
-  COLLISION REPAIR
-  TIRE DEALERS
-  CALIBRATION CENTERS
-  AUTOMOTIVE DEALERSHIPS

**THE AUTEL MAXISYS IA900WA** is an industry-first single system Four-Wheel Alignment and ADAS Calibration frame. Software includes Illustrated alignment instructions, live readings, and required tools. Adjustment locations are displayed on the included 24" touchscreen monitor. Alignment coverage for U.S., Asian and European vehicles, 1996 and newer. Includes targets, patterns and components for LDW, ACC, Lidar, Radar, Night Vision, RCW, Lane Watch and AVM system calibrations.

- ALL-IN-ONE OEM COMPLIANT CALIBRATION SOLUTION
- FULL DIAGNOSTICS WITH MAXISYS ULTRA ADVANCED DIAGNOSTIC TABLET AND MAXIFLASH VCI
- HIGH-DEFINITION CAMERAS FOR FRAME PLACEMENT & VALIDATION
- EASY STRAIGHT FORWARD OEM CALIBRATION INSTRUCTIONS
- FRAME, TARGET, DISTANCE VALUES VALIDATED ON POST SCAN REPORT
- 3D ALIGNMENT WITH THRUST LINE VALIDATION



# IA900WA

## DIAGNOSTICS + DIGITAL INSPECTION WHEEL ALIGNMENT + ADAS CALIBRATION

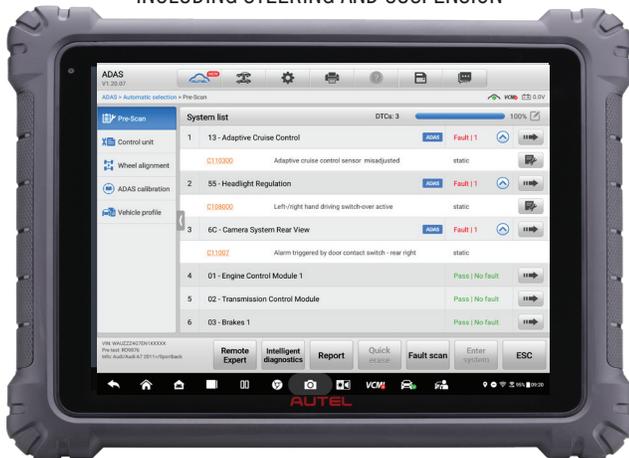
At the cost of a typical alignment system, the Autel IA900 delivers an All Systems and Module Health Check, Digital Vehicle Inspection, 3D Wheel Alignment, and step-by-step ADAS Calibration instructions in a single system and investment.

The Autel IA900WA is the only system that starts and finishes through the OBD2 connector, beginning with a full Health Check and Digital Inspection. These integrated steps deliver the highest revenue potential, the most comprehensive repair, a safer alignment, and a complete calibration of all affected ADAS systems.

# AN ALL-IN-ONE ALIGNMENT & ADAS SOLUTION

## DIAGNOSTICS

ALL SYSTEMS & MODULE HEALTH CHECK  
INCLUDING STEERING AND SUSPENSION



A comprehensive all-systems scan that provides an overview of the vehicle's condition to detect any existing faults and identify ADAS components is the essential first step toward every successful alignment and ADAS calibration

## DIGITAL INSPECTION

TEXT OR EMAIL ALL CUSTOMIZED  
REPORTS INSTANTLY TO YOUR CUSTOMER



Inspect, image, and document a vehicle's brakes, suspension, and steering component condition and measure tire wear with the laser-enabled Autel TBE200.



DIAGNOSTICS



DIGITAL INSPECTION



WHEEL ALIGNMENT



ADAS CALIBRATION



13" TOUCH SCREEN



6 HI-RES CAMERAS



SELF-CALIBRATING



AUTO HEIGHT TRACKING

# FOR TODAY'S COMPLEX VEHICLES & SYSTEMS

## WHEEL ALIGNMENT

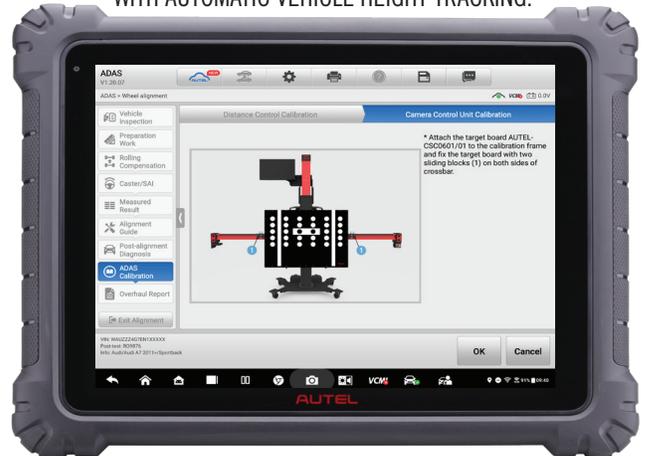
3D WHEEL ALIGNMENT WITH ANY ELECTRONIC COMPONENT RESET



Employing 6 HD position and tracking cameras, the IA900WA performs precise four-wheel alignments to 0.02 degrees of accuracy. Step-by-step instructions guide the technician through the complete process with illustrated, color-coded alignment status, live readings, required tools.

## ADAS CALIBRATION

STEP-BY-STEP ILLUSTRATED INSTRUCTIONS WITH AUTOMATIC VEHICLE HEIGHT TRACKING.



Autel was one of the first manufacturers to bring a complete ADAS calibration frame system to the aftermarket. Our experience and talent for innovation have enabled us to develop an intuitive, knowledge-based solution that allows technicians in every industry to calibrate ADAS components with precision and efficiency.

**IA900WA** PART NO: IA900WA

- IA900 WHEEL ALIGNMENT SYSTEM
- ACCESSORIES
- REQUIRES MAXISYS ULTRA, ADAS & WHEEL ALIGNMENT UPGRADE SOLD SEPARATELY

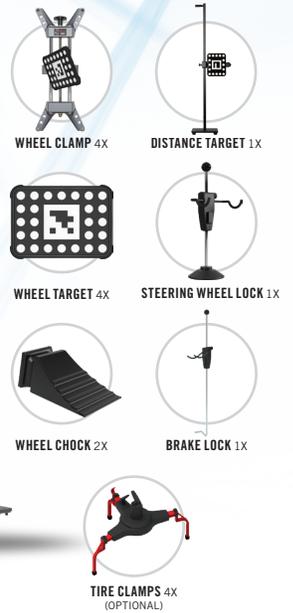
**IA900WA+TABLET** PART NO: IA900WAT

- IA900 WHEEL ALIGNMENT SYSTEM
- ACCESSORIES
- MAXISYS ULTRA ADAS TABLET & MAXIFLASH VCI
- ADAS & WHEEL ALIGNMENT SOFTWARE INCLUDED



MAXISYS  
INTELLIGENT ADAS  
IA900WA SYSTEM

ACCESSORIES  
INCLUDED



**IA900WA LDW PACKAGES**

EXPANDS LDW CALIBRATION CAPABILITIES

**IA900WA LDW** PART NO: IA900LDW

- IA900WA
- ACCESSORIES
- LDW TARGETS
- REQUIRES MAXISYS ULTRA, ADAS & WHEEL ALIGNMENT UPGRADE SOLD SEPARATELY

**IA900WA LDW+TABLET** PART NO: IA900LDWT

- IA900WA
- ACCESSORIES
- LDW TARGETS
- MAXISYS ULTRA ADAS TABLET & MAXIFLASH VCI
- ADAS & WHEEL ALIGNMENT SOFTWARE INCLUDED



MAXISYS MAXIFLASH  
ULTRA ADAS VCI

**LANE DEPARTURE WARNING**

VW/AUDI/PORSCHE LDW CSC0601/01	MERCEDES LDW CSC0601/02	HONDA/ACURA LDW CSC0601/05	MAZDA LDW CSC0601/12	NISSAN LDWII CSC0601/03-L	NISSAN LDWII CSC0601/03-R	TOYOTA/LEXUS LDWII CSC0601/15	HYUNDAI/KIA LDWII CSC0601/07
NISSAN/INFINITI LDW CSC0601/06-L	NISSAN/INFINITI LDW CSC0601/06-R	ALFA ROMEO LDW CSC0601/10	HONDA/ACURA LDWII CSC0601/08-L	HONDA/ACURA LDWII CSC0601/08-R	HONDA/ACURA LDWII CSC0601/08-R	MAZDA LDWII CSC0601/13-L	MAZDA LDWII CSC0601/13-R
HYUNDAI/KIA LDWII CSC0601/09	TOYOTA/LEXUS LDWII CSC0601/11	SUBARU LDW CSC0601/14	MERCEDES LDWII CSC0601/19	HONDA/ACURA LDWII CSC0601/24-1	SUBARU LDWII CSC0601/17	SUBARU LDWII CSC0601/17	SUBARU LDWII CSC0601/17
MITSUBISHI LDWII CSC0601/22-L	MITSUBISHI LDWII CSC0601/22-R	SUBARU LDW CSC0601/14	NISSAN/INFINITI LDWIII CSC0601/04-L	NISSAN LDWIII CSC0601/04-R	TOYOTA/LEXUS LDWIII CSC0601/25	TOYOTA/LEXUS LDWIII CSC0601/25	HYUNDAI/KIA LDWIII CSC0701/23



# IA900WA ALL SYSTEMS PACKAGES

THE ULTIMATE PACKAGES FOR CALIBRATION CAPABILITIES

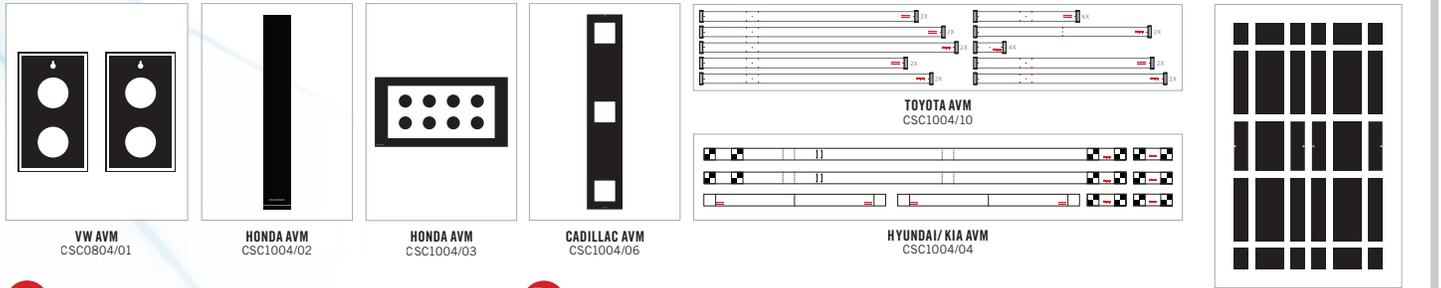
## IA900WA ALL SYSTEMS PART NO: IA900AS

- IA900WA
- ACCESSORIES
- LDW, AVM, NVS, ACC, BSD, LIDAR, RCW TARGETS
- REQUIRES MAXISYS ULTRA, ADAS AND WHEEL ALIGNMENT UPGRADE SOLD SEPARATELY

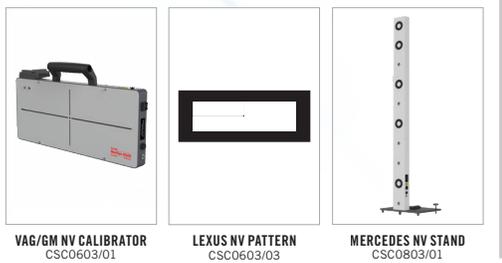
## IA900WA ALL SYSTEMS +TABLET PART NO: IA900AST

- IA900WA
- ACCESSORIES
- LDW, AVM, NVS, ACC, BSD, LIDAR, RCW TARGETS
- MAXISYS ULTRA ADAS TABLET & MAXIFLASH VCI
- ADAS & WHEEL ALIGNMENT SOFTWARE INCLUDED

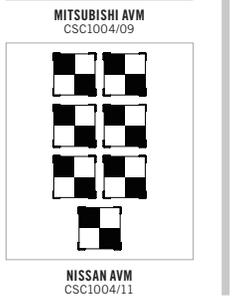
### AROUND VIEW MONITORING



### NIGHT VISION SYSTEM



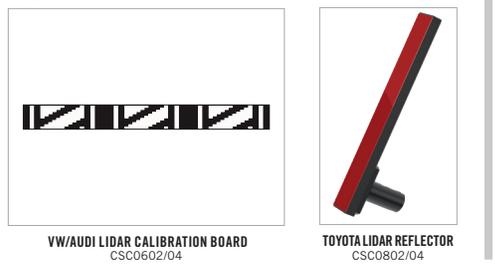
### ADAPTIVE CRUISE CONTROL



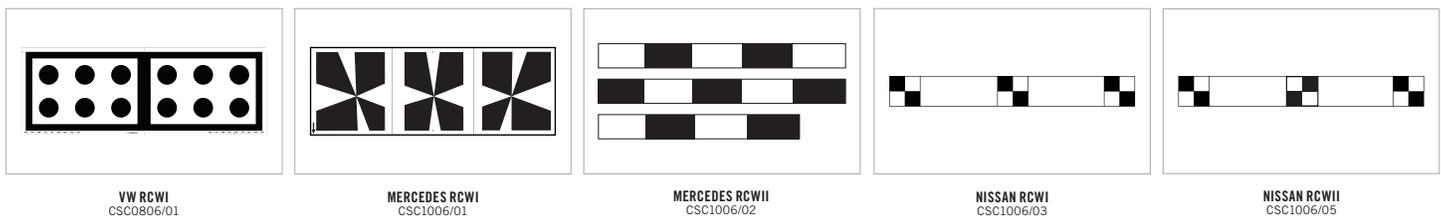
### BLIND SPOT DETECTION



### LIDAR



### REAR COLLISION WARNING

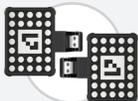


## ADAS ACCESSORIES

SOLD SEPARATELY



**500-17 Tire Clamps (Set of 4)**  
In contrast to standard clamps, tire clamps attach to tires rather than to rims, eliminating potential rim damage.



**500-21 Wide Angle Targets**  
Attach to front camera targets to ensure camera view and complete readings during max angle caster sweep.



**500-20 Ride Height Targets (Set of 4)**  
Enables rapid vehicle suspension height measurement and eliminates the need for manual measurement and entry.

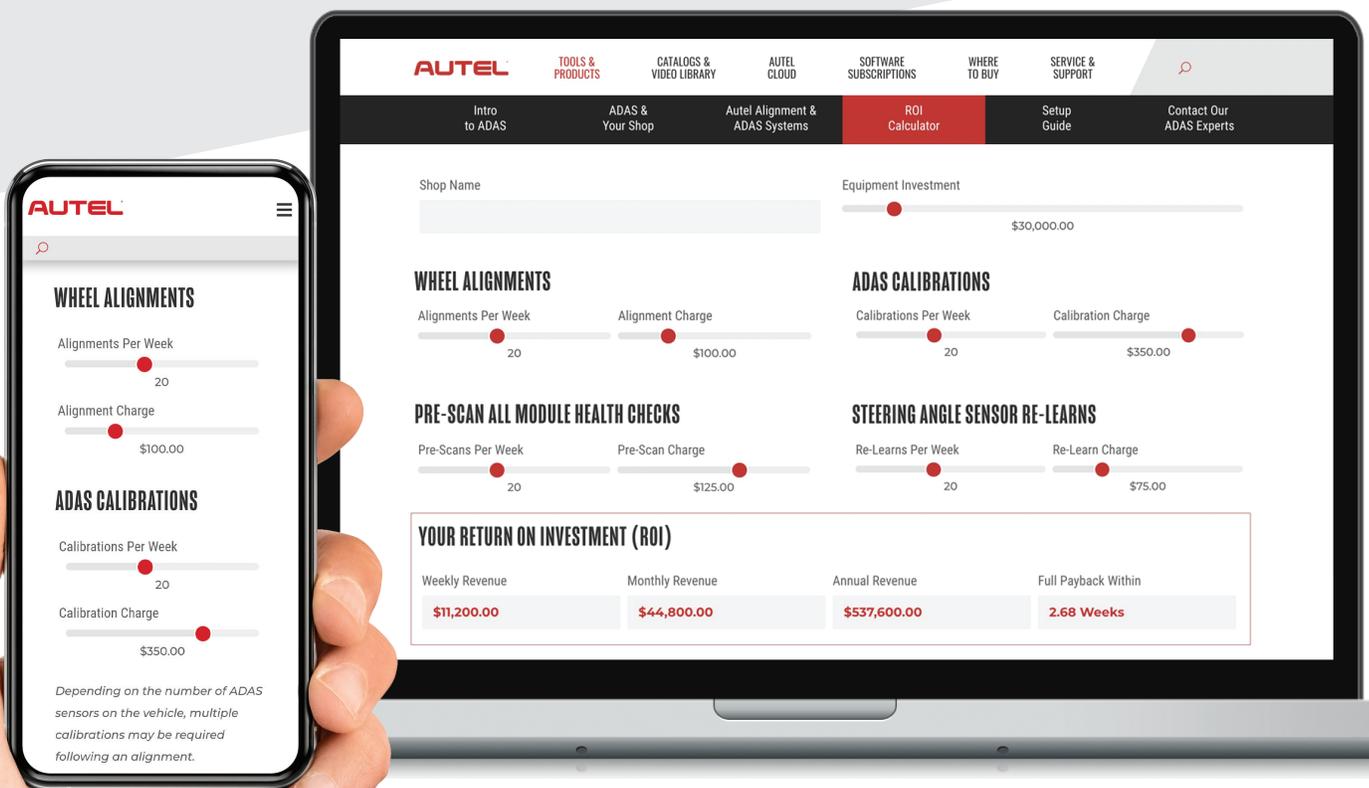
### ADASACCESSORY Laser Kit

Kit includes an L-Shaped Bracket, Five Line Laser, Laser Reflector, Laser Assist Mirror, Two Line Laser, and Plumb Bob to assist with faster blind spot placement and set-up time.



# HOW QUICKLY CAN YOU RECOUP YOUR INVESTMENT?

**CALCULATE YOUR ADAS REVENUE POTENTIAL ON OUR WEBSITE**



Adding all capabilities of the single system Autel IA900WA to your shop's workflow; Diagnostics + Digital Inspection + Alignment + ADAS Calibration, can recoup your investment in as little as 30 days\*.

*\*Return on Investment varies based on service volume.*

**RECOUP YOUR INVESTMENT IN AS LITTLE AS 30 DAYS\***

SCAN OR VISIT: [AUTEL.CC/ADAS-ROI](https://autel.cc/adas-roi)

