

# AUTEL MAXISYS IA1000 AUTOMATED ADAS CALIBRATION & WHEEL ALIGNMENT SYSTEM

The IA1000 is a next-generation ADAS calibration and wheel alignment system powered by the advanced diagnostics of the MaxiSYS Ultra S2. Its robotic one-step forward-facing target positioning significantly reduces manual setup time, streamlining the process for maximum efficiency. High-definition optical cameras combined with laser-guided Blind Spot, ACC, and AVM pattern positioning enhance accuracy while minimizing human error. Automated unlevel floor compensation further ensures speed and accuracy.

The system's advanced alignment data surpasses the industry standard of camber, caster, and toe, while its comprehensive pre- and post-scan reports validate and document every calibration. The IA1000 delivers tailored solutions for wheel alignment, LDW, and ADAS calibrations to meet your needs.

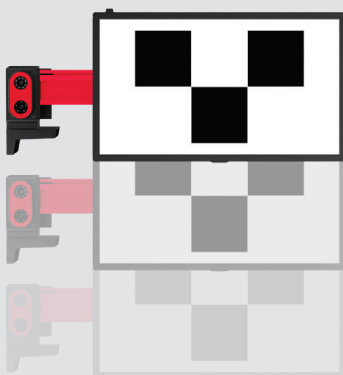
## FULLY AUTOMATED & ROBOTIC FORWARD-FACING CALIBRATIONS

Simply position the system in the area, then initiate calibration with a single button click.

## DIGITAL MONITORS WITH AUTOMATIC TARGET DISPLAY

Compatible with both traditional physical LDW targets and 27" digital monitors, featuring automatic target display and self-adjusting screen brightness for optimal visibility.

### VERTICAL ROBOTIC CROSSBAR POSITIONING



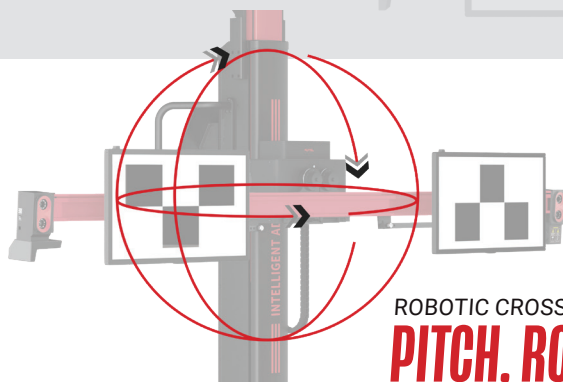
### HORIZONTAL

ROBOTIC CROSSBAR POSITIONING  
& LDW TARGET SPREAD



### FRONT TO BACK

ROBOTIC COLUMN POSITIONING



ROBOTIC CROSSBAR ADJUSTMENT  
**PITCH, ROLL, & YAW**



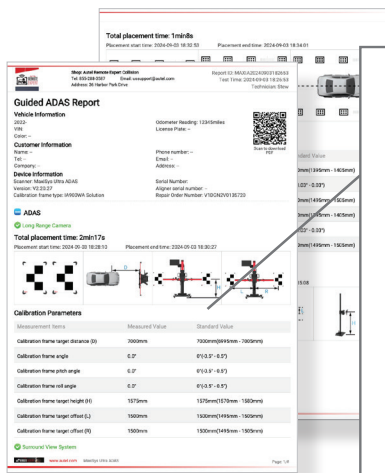
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**ADAS**  
 Long Range Camera

Total placement time: 2min17s  
 Placement start time: 2024-09-03 18:28:10 Placement end time: 2024-09-03 18:30:27

**Calibration Parameters**

Measurement Items	Measured Value	Standard Value
Calibration frame target distance (D)	7000mm	7000mm(6995mm - 7005mm)
Calibration frame angle	0.0°	0°(-0.5° - 0.5°)
Calibration frame pitch angle	0.0°	0°(-0.5° - 0.5°)
Calibration frame roll angle	0.0°	0°(-0.5° - 0.5°)
Calibration frame target height (H)	1575mm	1575mm(1570mm - 1580mm)
Calibration frame target offset (L)	1500mm	1500mm(1495mm - 1505mm)
Calibration frame target offset (R)	1500mm	1500mm(1495mm - 1505mm)

Surround View System



## THOROUGH TARGET VALIDATION & REPORTING

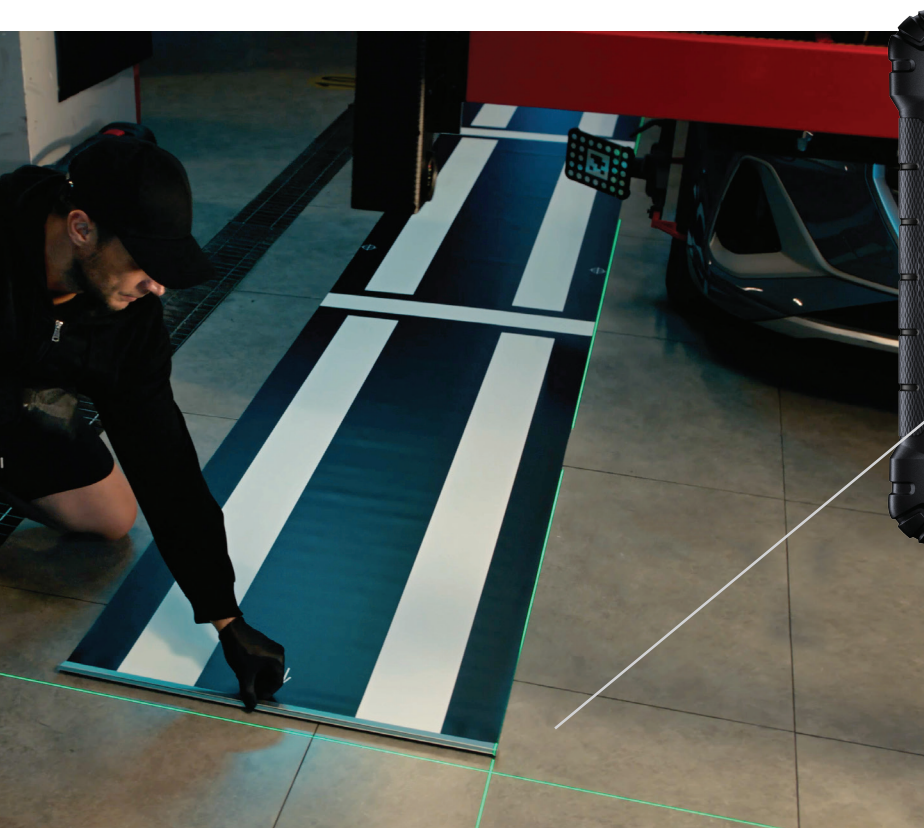
For LDW, Blind Spot, ACC, &  
Around View Monitoring.

## ENHANCED OEM ACCURACY & PROCEDURES

Ensure successful calibrations  
and repairs every time.



POWERED BY A MAXISYS  
**ULTRA S2 TABLET**



## OPTICAL CAMERA + LASER-GUIDED FLOOR PATTERN POSITIONING

Optical camera positioning and automated  
laser-guided AVM, ACC, NVS, and BSD target  
positioning ensures faster, more reliable pattern  
and calibration setup—every time.



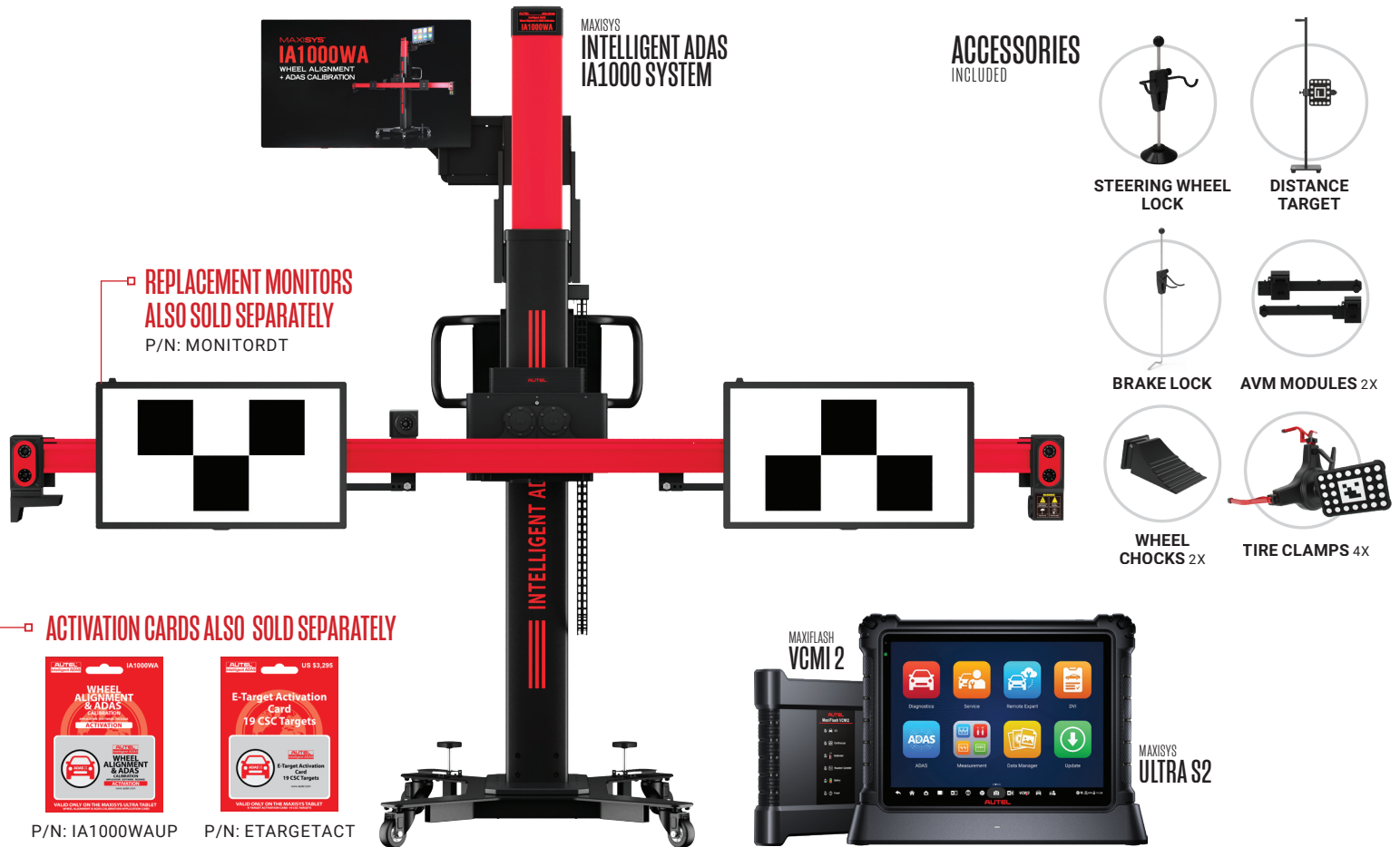
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## IA1000 FRAME PACKAGES

### □ P/N: IA1000

- IA1000 CALIBRATION FRAME
- ACCESSORIES
- REQUIRES ULTRA S2 TABLET & IA1000 ACTIVATION CARD

### □ P/N: IA1000T

- IA1000 CALIBRATION FRAME
- ACCESSORIES
- ULTRA S2 TABLET
- IA1000 ACTIVATION CARD

## IA1000 DIGITAL TARGET PACKAGES

### □ P/N: IA1000DT

- IA1000 CALIBRATION FRAME
- ACCESSORIES
- REQUIRES ULTRA S2 TABLET & IA1000 ACTIVATION CARD
- DIGITAL TARGETS (3 MONITORS)
- DIGITAL TARGET ACTIVATION CARD

### □ P/N: IA1000TDT

- IA1000 CALIBRATION FRAME
- ACCESSORIES
- ULTRA S2 TABLET
- IA1000 ACTIVATION CARD
- DIGITAL TARGETS (3 MONITORS)
- DIGITAL TARGET ACTIVATION CARD

## IA1000 LDW PACKAGES

### □ P/N: IA1000LDWT

- IA1000 CALIBRATION FRAME
- ACCESSORIES
- ULTRA S2 TABLET
- IA1000 ACTIVATION CARD
- LDW TARGETS

### □ P/N: IA1000LDWTD

- IA1000 CALIBRATION FRAME
- ACCESSORIES
- ULTRA S2 TABLET
- IA1000 ACTIVATION CARD
- LDW TARGETS
- DIGITAL TARGETS (3 MONITORS)
- DIGITAL TARGET ACTIVATION CARD

## IA1000 ALL SYSTEMS PACKAGES

### □ P/N: IA1000AST

- IA1000 CALIBRATION FRAME
- ACCESSORIES
- ULTRA S2 TABLET
- IA1000 ACTIVATION CARD
- LDW TARGETS
- ALL SYSTEMS CALIBRATION EQUIPMENT

### □ P/N: IA1000ASTDT

- IA1000 CALIBRATION FRAME
- ACCESSORIES
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- ALL SYSTEMS CALIBRATION EQUIPMENT
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- DIGITAL TARGET ACTIVATION CARD

