



LAUNCH
EUROPE GMBH



Assistant Systems 2023 / 2



Fast, Efficient, Reliable Your Professional Workshop Supplier

Our Advantages


Modern
Technologies


Price-Performance Ratio


Competent
Support



1992

**Headquarter
LAUNCH Tech Co. Ltd.**

Worldwide sales network and branches.
LAUNCH currently maintains offices in Europe, Asia,
North America, Central and South America and
the Middle East.



2003

LAUNCH Europe GmbH

LAUNCH is a world leader in the development
and distribution of innovative diagnostic
services. Our X-431 product family sets
new standards in the automotive diagnostic
market, due to its outstanding value for money.
In addition to sales support and customer-
oriented services, extensive development is
carried out in our German facility.



2004

LAUNCH Machinery Co. Ltd.

One of the largest lift factories in the world.
Over 500,000 lifts installed worldwide.



**Distribution Offices
in Europe**

Germany, United Kingdom, France, Italy,
Romania, Balkans



Competences

Diagnostic Solutions, Testing Tools,
Service Stations, Lifts and more



Distribution Partner

Over 50 partners in Germany
Over 120 partners in Europe



Head Office in Germany

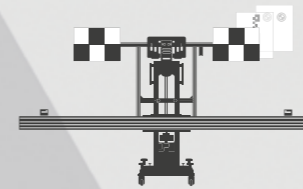
Over 40 employees responsible for sales, product
management, marketing & service





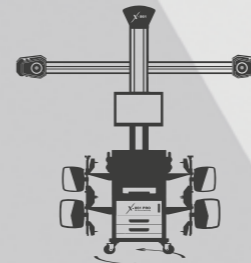
Overview of Chassis and Assistant Systems

Automatic distance keeping, acceleration, steering within one's own lane, parking and much more is made possible with the help of cameras and radar sensors around the vehicle. Correct chassis adjustments ensure less tyre wear, better braking performance and all-round greater driving safety. These systems contribute to more comfort, but above all to increased safety.



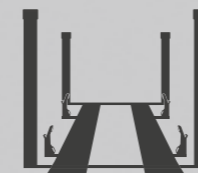
X-431 ADAS PRO+

X-431 ADAS PRO+ is a high-precision, professional ADAS calibration tool that meets the requirements of daily ADAS calibration for car workshops.



X-861 PRO 3D Touch Wheel Aligner

The X-861 Pro is an ultra HD wheel aligner. The height of the camera beam automatically adjusts to the height of the targets. The movable camera beam and housing enable fast and effective work. The X-861 Pro is an intelligent 3D wheel aligner that can capture the vehicle's tyre data with high speed and accuracy. camera system, the X-861 is very well suited to be adapted to different working environments.



X-931 NoTouch Alignment System

X-931 NoTouch Alignment System is an innovative four-wheel aligner to accurately and rapidly measure all wheel alignment parameters. With the latest laser and camera technology the X-931 NoTouch instantaneously takes measurement without the need to touch, push or prepare the vehicle in any way.



X-431 ADAS PRO+ Calibration Equipment



X-431 ADAS PRO+ is a high-precision, professional ADAS calibration tool that meets the requirements of daily ADAS calibration for car workshops. X-431 ADAS PRO+ is primarily consisting of the main frame, wheel clamp, target holder, laser range finder, range indicator and calibration target. It supports multi-directional fine tuning, including parallel, front and rear, right and left. X-431 ADAS PRO+ enables calibration of ADAS systems such as LDW, ACC, AVM, RCW, BSD, NVS and others. It is compatible with BSD, AVM and rear camera targets of X-431 ADAS PRO and X-431 ADAS Mobile.

It replaces the functions and availability of the previous models X-431 ADAS PRO and X-431 ADAS MOBILE.

Function

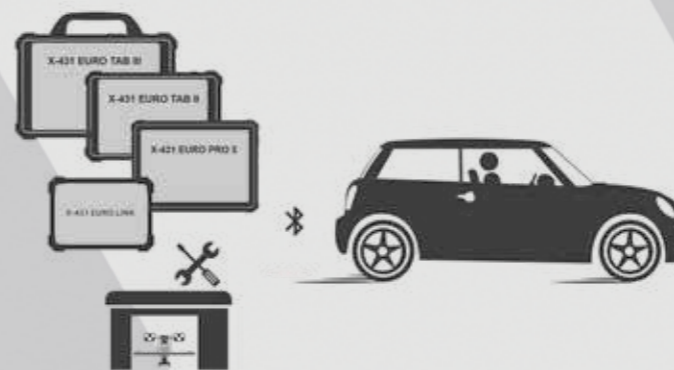
Simple Replacement of the Targets	Ultra-high Precision 3 x Laser Rangefinder	Parallel Fine-, Left and Right-, Front and Rear Fine-Tuning	Centring Laser	Supports LDW and ACC System	Small and Big Calibration Targets

Calibration Types Static and Dynamic Calibration



Static Calibration

In a static calibration, the vehicle, in conjunction with the diagnostic device, is aligned precisely in front of the ADAS calibration device. Afterwards, the calibration is carried out with the correct calibration target via the X-431 diagnostic device.



Dynamic Calibration

A dynamic calibration requires you to drive your vehicle. Our professional diagnostics initiate the dynamic calibration while you move the vehicle with prescribed manoeuvres.

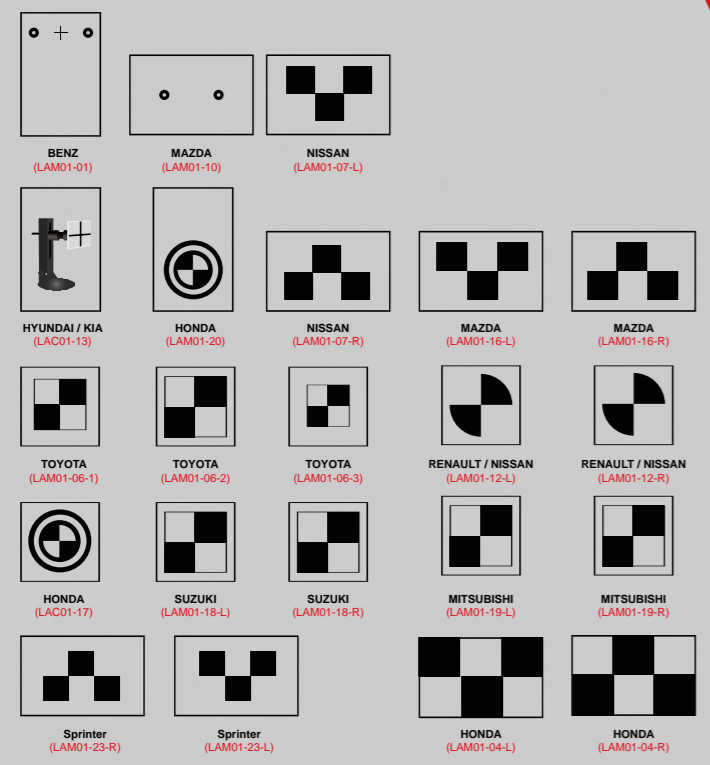
Optional Diagnosis Software X-431 EURO TAB III / EURO LINK / EURO TURBO II



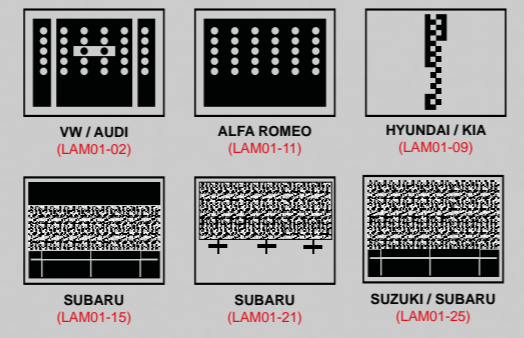
Lieferumfang für Frontkamera & Radar **inklusive**



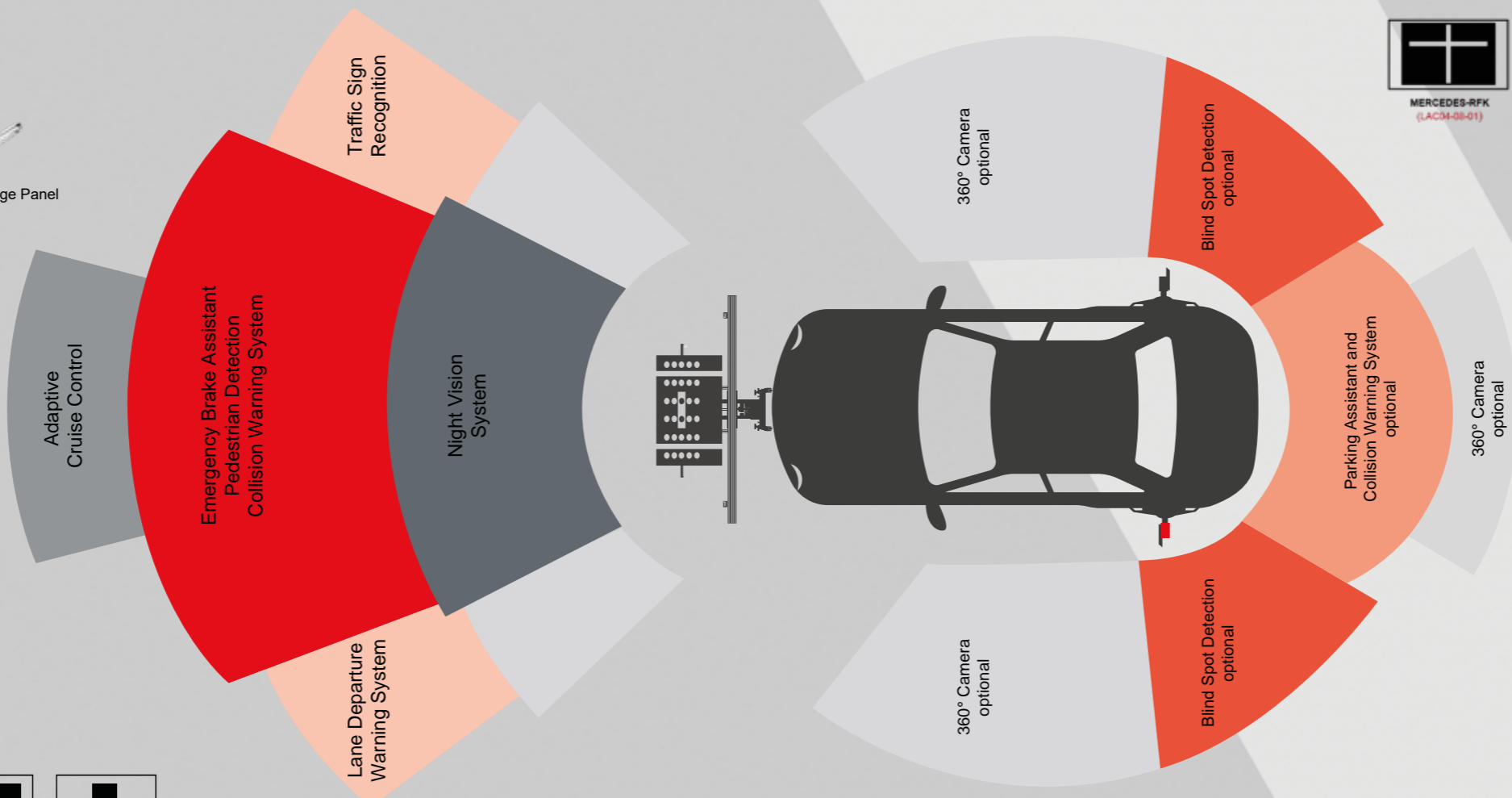
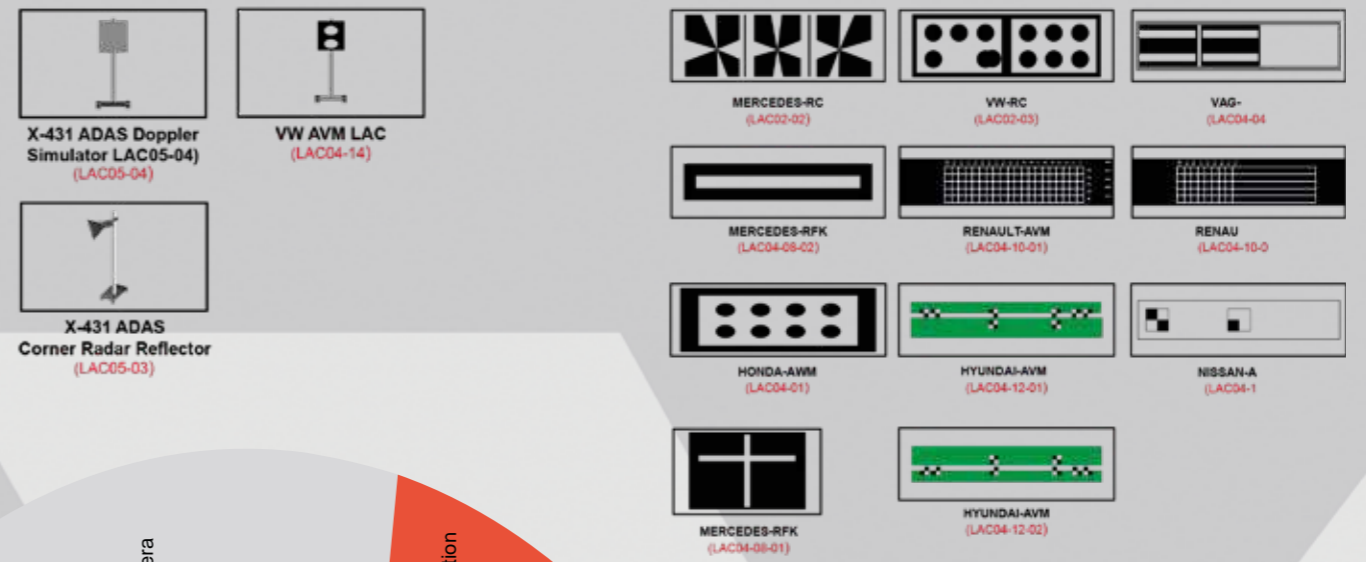
LDW Targets - Small Targets



LDW Targets - Big Targets



360° Camera and Rear Camera Calibration **optional**



- X-431 ADAS Rear View Camera & 360° Kit (Europe)
- X-431 ADAS Rear View Camera & 360° Kit (America)
- X-431 ADAS Rear View Camera & 360° Kit (Asia)

Calibration System X-431 ADAS PRO

- > ADAPTIVE CRUISE CONTROL
- > LANE DEPARTURE WARNING
- > NIGHT-VISION SYSTEM
- > BLIND SPOT DETECTION
- > REAR COLLISION WARNING (RCW)
- > AROUND VIEW MONITORING (AVM)





Technical Data



Operating System
Windows 11



Operating Voltage
AC 220 V (10 A)



Operating Frequency
50 – 60 Hz



Power
0,5 kW



Included Screen
27"



Total Weight
204 kg

Measurement Parameters



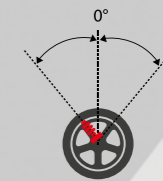
Total Track
Measurement Report $\pm 40^\circ$
Measurement Accuracy $\pm 2'$



Single Track
Measurement Report $\pm 40^\circ$
Measurement Accuracy $\pm 2'$



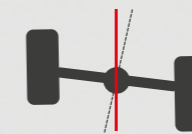
Camber
Measurement Report $\pm 10^\circ$
Measurement Accuracy $\pm 2'$



Caster
Measurement Report $\pm 20^\circ$
Measurement Accuracy $\pm 4'$



King Pin
Measurement Report $\pm 20^\circ$
Measurement Accuracy $\pm 6'$

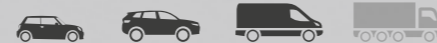


Axle Angle
Measurement Report $\pm 10^\circ$
Measurement Accuracy $\pm 2'$



Toe Difference Angle under
Measurement Parameters
Measurement Report $\pm 40^\circ$
Measurement Accuracy $\pm 2'$

X-861 PRO 3D Wheel Aligner



The X-861 Pro is an ultra HD wheel aligner. The height of the camera beam automatically adjusts to the height of the targets. The movable camera beam and housing enable fast and effective work. The X-861 Pro is an intelligent 3D wheel aligner that can capture the vehicle's tyre data with high speed and accuracy. The 5 Gbit/s transmission bandwidth and USB 3.0 interface enable fast data transfer. The new 5 MP camera offers an improved and wider field of view that enables more accurate wheel data capture. The vehicle only needs to be moved a short distance without interruption to take more accurate measurements during run out compensation. The HD camera lens with temperature compensation function allows working at any time and under any conditions. X-861 Pro automatically adjusts the height of the camera to the target height of the vehicle. In addition, the X-861 Pro has a simple alignment procedure with a computer voice reminder. The wheel aligner is ready for use in seconds, without the tedious work of calibrating the device. The X-861 Pro also has various body, chassis and tyre diameter measurements.

Features



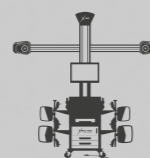
More efficiency



Low error rate due to
passive reflectors



Ultrafast



Flexible



Precise



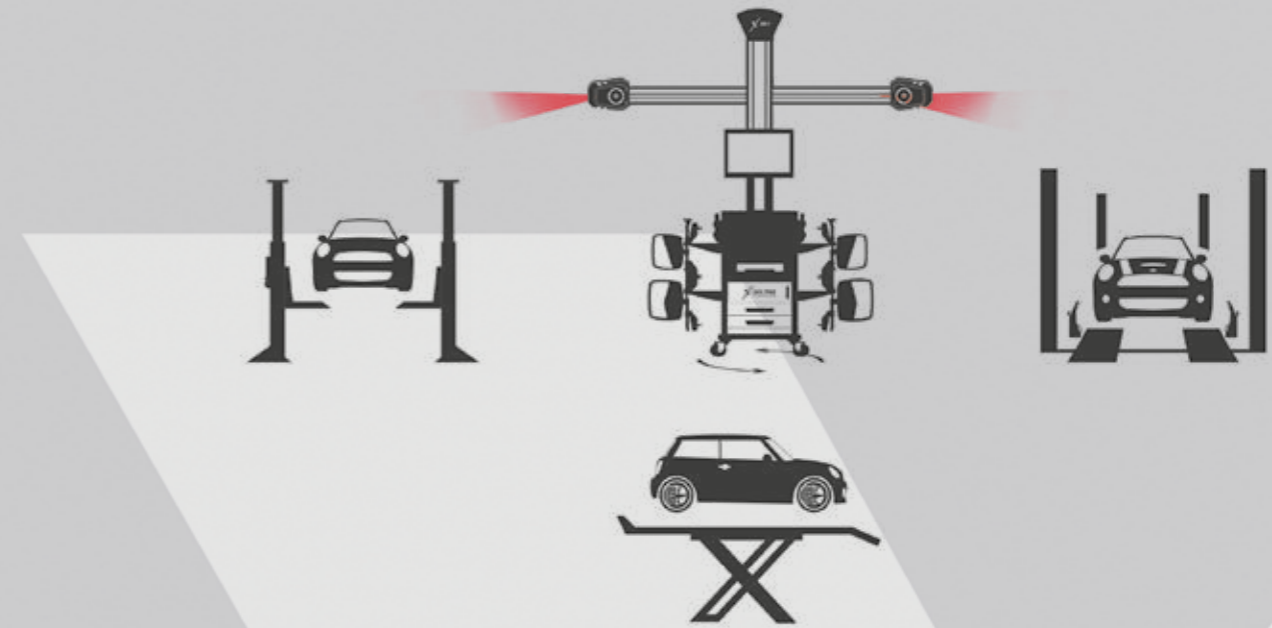
LED display









Software Demo



In Combination with 2 Post Lifts, 4 Post Lifts, Scissor Lifts



Assembly Requirements

-  The existing platform must have sliding plates for the rear axle
-  The platforms must have a recess for the turntables at the front (L= 40 cm, W= 40 cm, H= 5 cm)
-  2 M The distance from the centre of the turntable to the camera must be min. 210 cm and max. 280 cm
-  The distance between the right and left stage columns must be at least 270 cm
-  The diagonal height difference from the turntable at the front to the sliding plate at the back must not exceed 2 mm
-  No direct incidence of light on the reflectors or cameras



Computer voice output

The voice output reads the current work step aloud. On the one hand, this facilitates work on the vehicle, and on the other hand, only one mechanic is needed for wheel alignment. The special design of the X-861 PRO saves important resources.

Mobile Design

The X-861 PRO wheel aligner in mobile design is comparable to a hand-held, intelligent precision tool. Just as this tool can be flexibly adapted to different types of vehicles, the mobile design of the wheel aligner enables seamless integration into different working environments. The wheel aligner's mobile design improves efficiency in vehicle maintenance and repair and helps ensure that precise measurements can be taken easily and on the move.



Main unit, 2 x IR cameras, cross-scine, column caps, operating terminal PC, 27" monitor, printer incl. cartridges, wireless keyboard with touchpad

2 x Front Targets Black, 2 x Rear Targets Blue

2 x Turntable

Steering wheel holder / Brake pedal depressor

X-931 NoTouch[®] ALIGNMENT SYSTEM

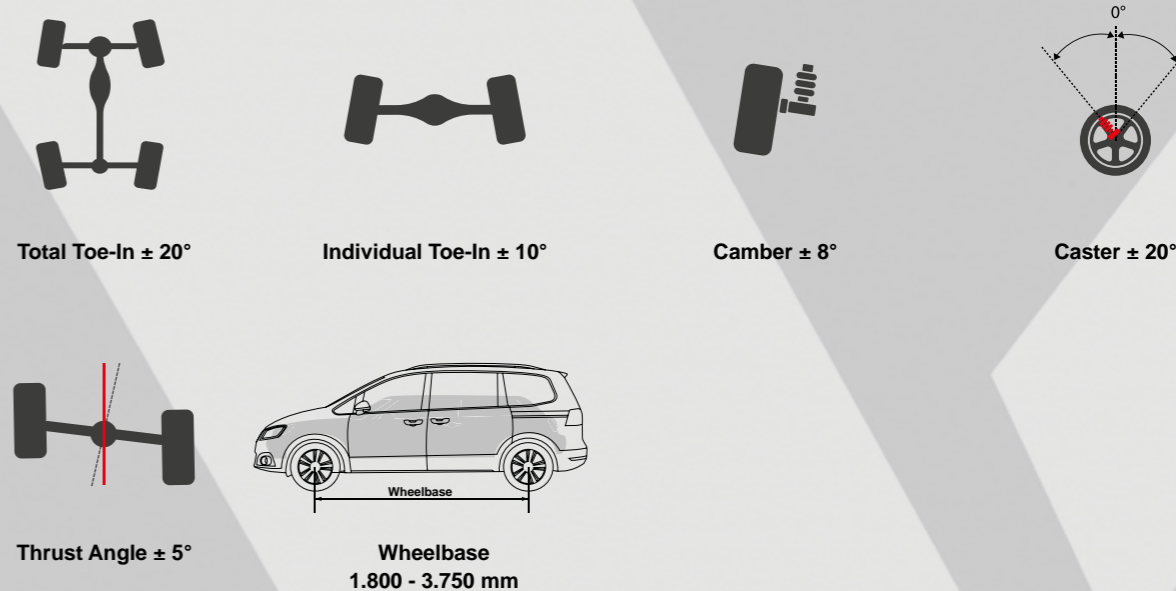
Wheel Aligner



Technical Data

Operating System Windows	Voltage AC 100 – 220 V (10 A)	Operating Frequency 50 – 60 Hz	Power 0,5 kW	Included Screen 32"	Total Weight 446 kg

Measurement Parameters NoTouch Wheel Aligner



X-931 NoTouch Alignment System is an innovative four-wheel aligner to accurately and rapidly measure all wheel alignment parameters. With the latest laser and camera technology the X-931 NoTouch instantaneously takes measurement without the need to touch, push or prepare the vehicle in any way. It significantly increases the workflow and efficiency. It provides five times faster measurements compared to conventional 3D Aligners with greater simplicity and ease of use. The X-931 NoTouch is exclusively delivered as a completely integrated wheel alignment system with three different lift options. The X-931 NoTouch Alignment System ensures ease of use, high quality, increased work speed and strong ROI. Excellent for any professional workshops seeking to increase their output.

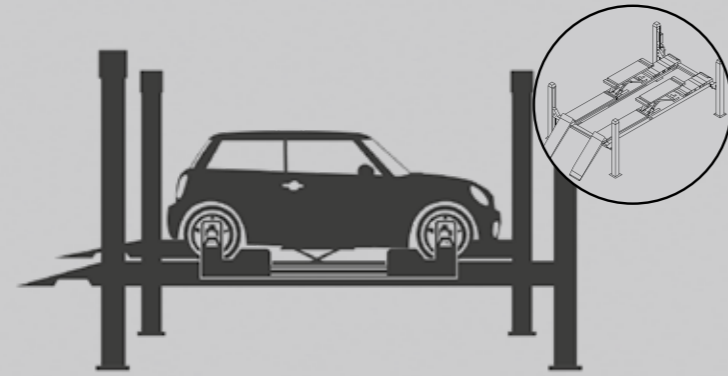
Features

- Fast and Accurate Measurements
- Contactless
- Convenient and Precise Position Locator Control
- Fast and potent PC with wide screen and printer



In Combination with





TLT-440 W for NoTouch,
TLT-450 JA / 455 W for NoTouch L



TLT-440 W / TLT-455 W / TLT-450 JA

The TLT-440 W / TLT-450 JA / TLT-455 W hydraulic 4-post lifts are ideal for lifting vehicles of various sizes in garages and workshops. These lifts are equipped with an axle lift or wheel free lift, sliding plates and turntables for wheel alignment. With a strong and durable structure, the three lifts are an excellent choice to increase the wheel alignment workflow.

Assembly Requirements

-  The existing platform must have sliding plates for the rear axle
-  The diagonal height difference from the turntable at the front to the sliding plate at the back must not exceed 2 mm
-  The platforms must have a recess for the turntables at the front (L= 40 cm, W= 40 cm, H= 5 cm)
-  The distance between the right and left stage columns must be at least 270 cm



X-931 NoTouch
with TLT-440 W / 450 JA / 455 W



Cabinet Component
1 x HDMI Monitor, 32", Computer, Printer



4 x Measuring Unit Components
1 x Front Left Guide Rail Component
1 x Front Right Guide Rail Component
1 x Rear Left Guide Rail Component
1 x Rear Right Guide Rail Component

Steering Wheel Aligner

Accessories for X-861 3D Touch and X-931 NoTouch

With the LAUNCH Steering Wheel Aligner it is now possible to align and adjust the position of the steering wheel prior to the wheel alignment process. This practical tool was developed by professional technicians to eliminate human error and to ensure the correct position of the steering wheel. Therefore this cross laser tool guarantees a proper alignment which is essential for the performance and health of your tyres.



Easy and fast to install



Reliable adjustment, independent of car alignment



Empty car during wheel alignment without any influence on the suspension geometry



included

HIGH QUALITY LED LAMP

► Included in the scope of delivery of the LAUNCH Steering Wheel Aligner are two lamps. One of these lamps is the green cross laser for the steering wheel adjustment. The other lamp is a high quality LED workshop lamp with a magnetic case, which can be used for daily work. Both lamps are battery-powered.



included

SPACER FOR UNIVERSAL ADJUSTMENT

► This distance spacer with rubber surface is made for a universal adjustment for every kind of vehicle to avoid damages and to increase stability.



included

EXTENDABLE BAR

► The spring inside the bar is easily extendable and ensures the perfect fit for any vehicle.



optional

TOOL ORGANISER AND WALL MOUNT

► The optional tool organiser helps you to store the LAUNCH Steering Wheel Aligner and all accessories in your workshop. The LAUNCH tool organiser is made from high-quality plastic and is fast and easy to mount on the workshop wall.

Comparison of Assistance Systems

X-431 ADAS PRO+, ADAS PRO and ADAS Mobile

Features and Technical Data	X-431 ADAS PRO+	X-431 ADAS Mobile
Continuous Software Updates Available	😊	😊
Wide Vehicle Coverage	😊	😊
Detailed Calibration Report	😊	😊
Storage Box With All Common Boards incl.	😊	😊
Power Supply Not Required	😊	😊
Mobile	😐	😊
Electrically Height Adjustable	😊	😐
Radar calibration set incl.	😊	😐
Measurement Via Rear Axle	😊	😐
Alignment of the ADAS Calibration Tool in front of the vehicle possible with millimetre precision	😊	😐
Precise Alignment via Laser Rangefinder	😊	😐
Three different fine adjustment options available for millimetre-precise alignment	😊	😐
Alignment of the ADAS calibration tool can be carried out within 5 minutes	😊	😐
Detailed step-by-step instructions for the alignment of the ADAS calibration tool	😊	😐

Overview Wheel Alignment

X-861 3D Touch and X-931 NoTouch

Features and Technical Data	X-861 PRO 3D	X-931 NoTouch
Innovative Wheel Aligner	😊	😊
Fast and Accurate Measurements	😊	😊
Measurements of all Wheel Angles	😊	😊
High Speed Camera System	😊	😊
Low Error Rate Due to Passive Reflectors	😊	😊
Contactless	😐	😊
Convenient and Precise Position Locator Control	😐	😊
Easy Operation	😊	😊
Operating System	Windows	Windows
Operating Voltage	AC 220 V (10 A)	AC 100 – 220 V (10 A)
Operating Frequency	50 – 60 Hz	50 – 60 Hz
Power	0,5 kW	0,5 kW
Wheel Spacing		1.800 mm – 3.750 mm
Included Screen	27"	32"
Total Weight	204 kg	446 kg
Total Track	± 40' / ± 2'	± 20°
Single Track	± 40' / ± 2'	± 10°
Camber	± 10° / ± 2'	± 8°
Caster	± 20° / ± 4'	± 20°
King Pin	± 20° / ± 6'	😐
Thrust Angle	± 10° / ± 2'	± 5°
Toe Difference Angle under Measurement Parameters	+/- 40° // +/- 2'	

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