



# Product Introduction

## *Touchless Wheel Aligner*

### *X-931*

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## *Introduction*

X-931 Touch-less wheel aligner is a kind of equipment which can accurately measure the wheel alignment parameters without any component touching with the vehicle tire or wheel rim.

It can measure each parameter of the vehicle wheel: front and rear Toe-in, front and rear camber, caster, Kingpin inclination and thrust angle, etc.

With its Touch-less laser and camera systems, the wheel rim will not be damaged, and it saves the time for mounting and demounting the wheel clamps. X-931 European version use the European computer, printer and database, which can help the customer to get the fast support in Europe. It is a good choice for professional tire and wheel service shop.

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## *Product Features*

- Easy to measure, greatly reduce the work frequency and intensity (unnecessary to mount and demount the wheel clamps and the targets)
- Greatly increase the measurement work efficiency (unnecessary to perform the vehicle-pushing compensation operation)
- Real touch-less measurement, no any injury to the wheel rim, improve customer satisfaction
- Measurement data accurate and real-time, adopts advanced technology of laser image processing
- Easy to operate by using user-friendly software interfaces

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## Product Advantages



1. No need to fix clamps and targets.



3. No lifting height limit.



2. No need to push vehicle for compensation.



4. Real touch-less measurement, no any injury to the wheel rim.

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## Touch-less Measurement Systems



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## Technical Data

Technical Index	Description
Wheelbase	For passenger vehicle and light commercial vehicle, from 1800mm to 3750mm
Input Voltage	100 ~ 220V AC (10A)
Input Frequency	50 ~ 60Hz
Power	0.5KW
Others	Computer host, LCD display, keyboard & mouse; Measurement software; Printer and loudspeaker, etc.

**Language:** English, Japanese, Korean, Simplified Chinese, Traditional Chinese, Spanish, Russian, Polish, German, French, Italian, Portuguese

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## Measurement Parameters

Alignment Parameters	Measurement Range
Total Toe-in	$\pm 20$ °
Individual Toe-in	$\pm 10$ °
Camber	$\pm 10$ °
Caster	$\pm 20$ °
Kingpin inclination	$\pm 20$ °
Thrust Angle	$\pm 5$ °

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## User-friendly Software Interfaces

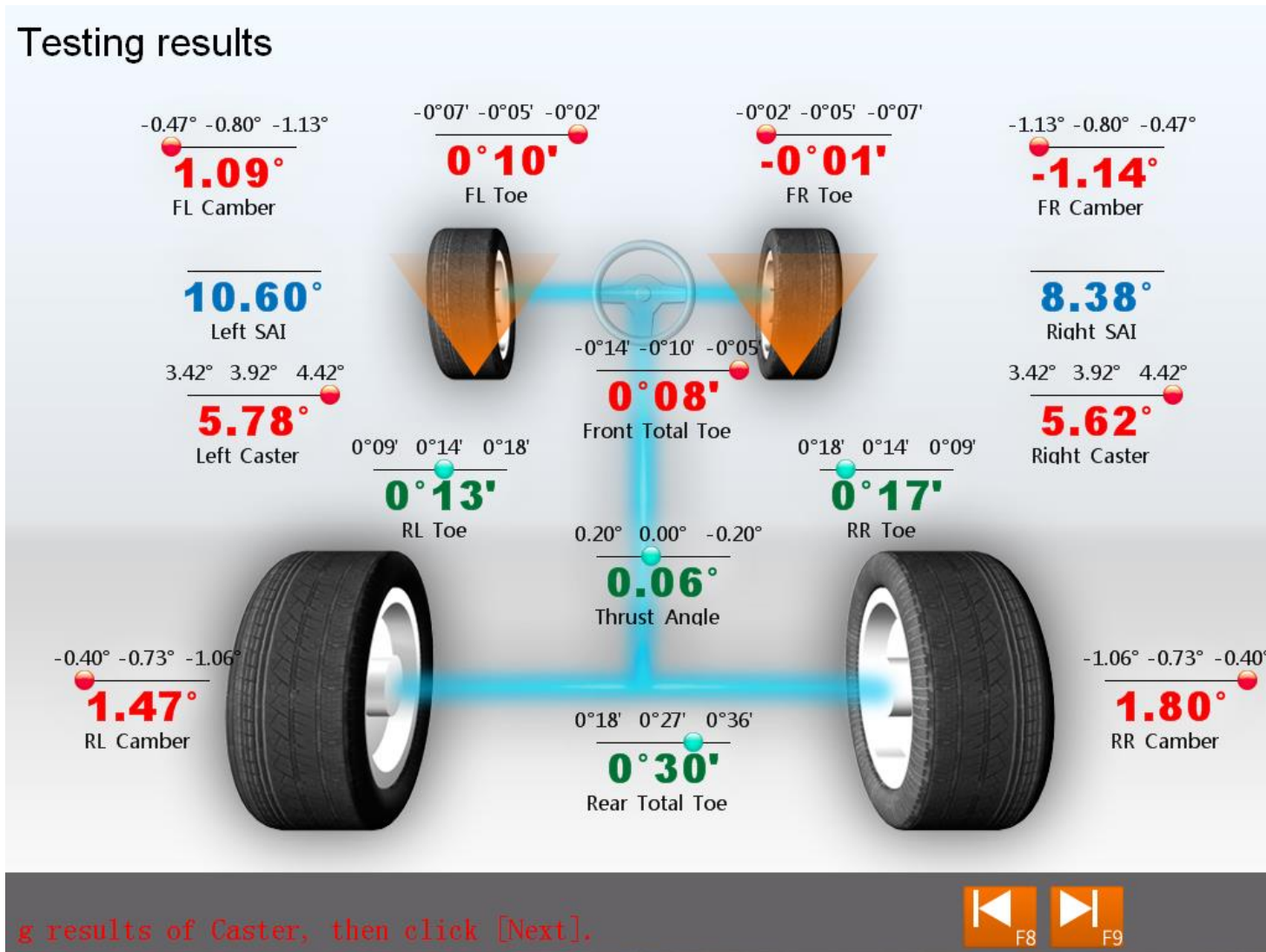
### Main Menu



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## User-friendly Software Interfaces



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## *TLT-440W lift (Special Version for X-931)*

The hydraulic four post lift with a capacity of 4t is applicable for the lifting of various vehicles sizes in garages and workshops.

This lift is specially customized for the touch-less measurement units, it provides the installation interface for the slide grooves.



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## *TLT-440W lift (Special Version for X-931)*

### *Technical Data*

Capacity:	4,000 kg
Height:	2,172 mm
Width:	3,420 mm
Lifting height:	1,880 mm
Lowest lifting height:	170 mm
Length of runways:	4,555 mm
Lifting time:	50 s
Motor power:	2.2 kW
Voltage:	380 V / 50 Hz
Amount of oil:	12 L
Weight:	1,550 kg

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## Product components

No.	Name	Amount	Unit
1	Front wheel measurement units	2	Set
2	Rear wheel measurement units	2	Set
3	Slide grooves	4	Set
4	Exchange board	1	Set
5	Computer & Printer	1	Set
6	Calibration signs	4	Set
7	Cabinet	1	Set
8	TLT-440W lift (Special Version for X-931)	1	Set

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## Ordering Information

<b>Article Number:</b>	X931-302010441 TLT-307041401
<b>Package info:</b>	Measurement units 1628*970*978mm Cabinet 800*750*1400mm Lift box1 4530*580*850mm Lift box2 1135*560*550mm Total 1660kg

**Ready for order in OCT.**

**The delivery time is 12-16 weeks after order.**

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