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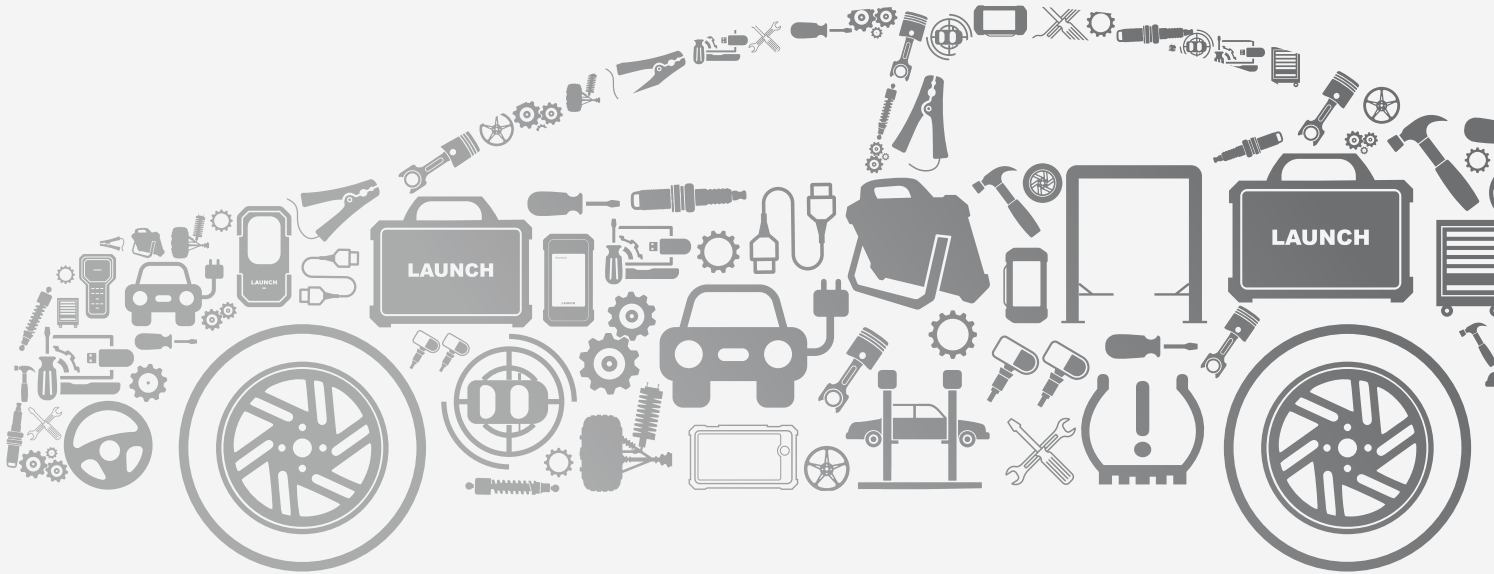
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    Launch Tech Co.,Ltd.  Launch_diagnostics tools

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PRODUCT CATALOG

2024 ISSUE 2 #LAUNCH DIAGNOSTICS SINCE 1992
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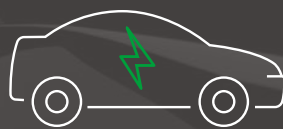
LAUNCH



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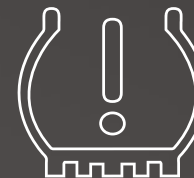
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CONVENTS

ABOUT LAUNCH

Launch Tech Co., Ltd was founded in 1992 and successfully listed on the Main Board of Stock Exchange of Hong Kong Limited (Stock Code: 2488) in 2011. LAUNCH is one of the first high-tech enterprises in China who dedicated to professional diagnostic tools, DIY scan tools, ADAS calibration tools, TPMS solutions and other maintenance equipment. Committed to technological innovation and independent R&D, LAUNCH has more than 800 R&D engineers in its centers in Shenzhen, as well as global R&D teams in North America, Germany, Japan, Korea and Latin America.

X-431

LATEST AUTO SCAN TOOLS RECOMMENDATION



**FASTER
SMARTER
POWERFUL**



Creador Professional 919 MAX



X-431 PRO SE



X-431 PRO3 SE

CONFIGURATION

Display	7"/1024*600	8.0"/1280*800	10.1"/1280*800
CPU	2.0GHz Quad-core	2.0GHz Quad-core	2.0GHz Quad-core
Memory	4GB	4GB	4GB
Storage	64GB	64GB	64GB
Camera	8MP Rear	8MP Rear	8MP Rear
VCI Connector	DBScar VII	DBScar VII	DBScar VII
VCI Connection	Bluetooth/USB Wired	Bluetooth/USB Wired	Bluetooth/USB Wired
Battery	47.880Wh(7.6V,6300mAh)	47.88Wh(7.6V,6300mAh)	47.88Wh(7.6V,6300mAh)
Adjustable Supporting Holder	N/A	N/A	●
IP65 Waterproof & Dustproof	N/A	N/A	N/A
Quick Charge Technology	N/A	N/A	N/A
Charging Station	N/A	N/A	N/A
Size(mm)	218*154*39.5(mm)	234*166*39.5(mm)	274*190.5*40.5(mm)
Add-on Modules	VSP-600, X-431 TSGUN, BST360	ADAS Calibration Tool, X-PROG 3, BST360, Wi-Fi Printer, X-431 TSGUN, VSP-600 Videoscope, O2-2 Oscilloscope, S2-2 Sensorbox, EG100 EV Clamp, EM101N EV Oscilloscope & Multimeter, X-431 Key Programmer, ES200	ADAS Calibration Tool, EV Add-on Kit, X-PROG 3, BST360, Wi-Fi Printer, X-431 TSGUN, VSP-600 Videoscope, O2-2 Oscilloscope, S2-2 Sensorbox, HDIII Add-on,EG100 EV Clamp, EM101N EV Oscilloscope & Multimeter, X-431 Key Programmer, ES200

FEATURES

Operating System	Android™ 10.0	Android™ 10.0	Android™ 10.0
Full System Diagnosis	●	●	●
OBD II Full Function	●	●	●
Tech-to-Tech Remote Diangosis	●	●	●
Smartlink Remote Diagnosis	N/A	N/A	N/A
Auto VIN Identification	●	●	●
Bi-Directional Control	●	●	●
Advanced Coding	●	●	●
VW & AUDI Guided Function	●	●	●
J2534	N/A	N/A	N/A
DoIP/CAN FD	*①	*①	*①
Advanced Programming	N/A	N/A	Optional
Vehicle Coverage	Passenger Cars Medium & Light Duty Vehicles	Passenger Cars Medium & Light Duty Vehicles	Passenger Cars Medium & Light Duty Vehicles Heavy Duty Vehicles (Optional) New Energy Vehicles & Battery Packs(Optional) IMMO Diagnosis Add-on Kit(Optional)

SERVICE FUNCTIONS

31 *②	●	●	●
FRM Reset	N/A	●	●
Gateway Module Data Calibration	N/A	N/A	N/A
ECU Reset	N/A	●	●
Rainfall Light Sensor	N/A	N/A	N/A
ODO Check	N/A	●	●
Resetmsvin	N/A	●	●
IMMO Program	N/A	●	●
Motor Angle Calibration	N/A	●	●
Clutching Matching	N/A	●	●
Turbocharging Matching	N/A	●	●

① Need an extra DoIP cable

② Brake Reset, Oil Maintenance Reset, Steering Angle Reset, Battery Matching, ABS Bleeding, Electric Throttle Relearn, TPMS Reset Database, DPF Regen, AC System Relearn/Initialization, Adaptive Front Lighting, Ad Blue Reset, Air/Fuel Reset, Air Level Calibration, Coolant Bleed, Crank Position Sensor Adaptive Learning, EGR Adaption, Engine Power Balance Monitoring, Gas Particulate Filter Regeneration, Gearbox Relearn, High-Voltage Battery Diagnostics, Immobilizer Reset, Injector Coding, Intelligent Cruise Control System, Language Change, Nox Sensor Reset, Seat Occupany Calibration, Stop/start Reset, Sunroof Reset, Tire Reset, Transport Mode, Windows Calibration.



X-431 PRO3 LINK



X-431 PAD V LINK



X-431 PAD VII LINK

10.1"/1280*800	10.1"/IPS 1920*1200	13.3"/1920*1080 IPS
2.0GHz Quad-core	2.0GHz Octa-core	2.0GHz Octa-core
4GB	4GB	8GB
64GB	128GB	256GB
8MP Rear	13MP Rear+8MB Front	13MP Rear+8MB Front
Smartlink C 2.0	Smartlink C 2.0	Smartlink C 2.0
Bluetooth	2.4GHz & 5GHz dual Wi-Fi	2.4GHz & 5GHz dual Wi-Fi
47.88Wh(7.6V,6300mAh)	35.57Wh(3.8V,9360mAh)	71.1Wh(7.6V,9360mAh)
●	●	●
N/A	●	●
N/A	●	●
N/A	Optional	N/A
274*190.5*40.5(mm)	320*211*46(mm)	353*236*71(mm)
ADAS Calibration Tool, EV Add-on Kit, X-PROG 3, BST360, Wi-Fi Printer, X-431 TSGUN, VSP-600 Videoscope, O2-2 Oscilloscope, S2-2 Sensorbox, EG100 EV Clamp, EM101N EV Oscilloscope & Multimeter, X-431 Key Programmer, ES200	ADAS Calibration Tool, EV Add-on Kit, X-PROG 3, BST360, Wi-Fi Printer, X-431 TSGUN, VSP-600 Videoscope, O2-2 Oscilloscope, S2-2 Sensorbox, EG100 EV Clamp, EM101N EV Oscilloscope & Multimeter, X-431 Key Programmer, ES200	ADAS Calibration Tool, EV Add-on Kit, X-PROG 3, BST360, Wi-Fi Printer, X-431 TSGUN, VSP-600 Videoscope, O2-2 Oscilloscope, S2-2 Sensorbox, EG100 EV Clamp, EM101N EV Oscilloscope & Multimeter, X-431 Key Programmer, ES200

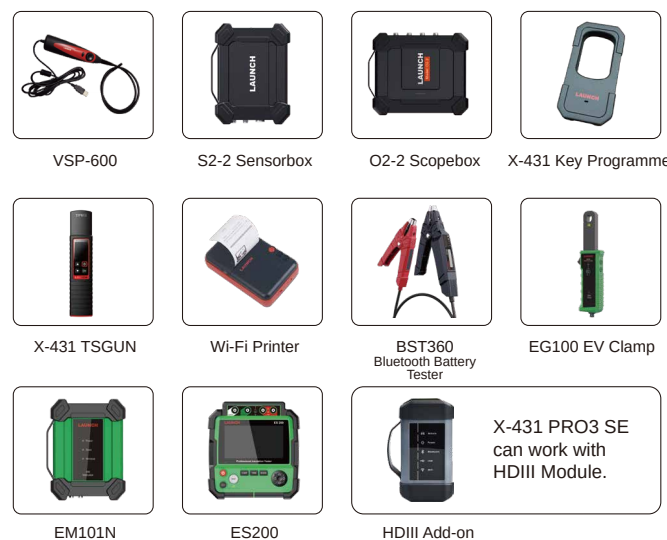
Android™ 10.0	Android™ 7.1 open system	Android™ 9.0
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●
Optional	●	●
Passenger Cars Medium & Light Duty Vehicles Heavy Duty Vehicles (Optional) New Energy Vehicles & Battery Packs(Optional) IMMO Diagnosis Add-on Kit(Optional)	Passenger Cars Medium & Light Duty Vehicles Heavy Duty Vehicles (Optional) New Energy Vehicles & Battery Packs(Optional) IMMO Diagnosis Add-on Kit(Optional)	Passenger Cars Medium & Light Duty Vehicles Heavy Duty Vehicles (Optional) New Energy Vehicles & Battery Packs(Optional) IMMO Diagnosis Add-on Kit(Optional)

●	●	●
●	●	●
N/A	●	●
●	●	●
N/A	●	●
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●

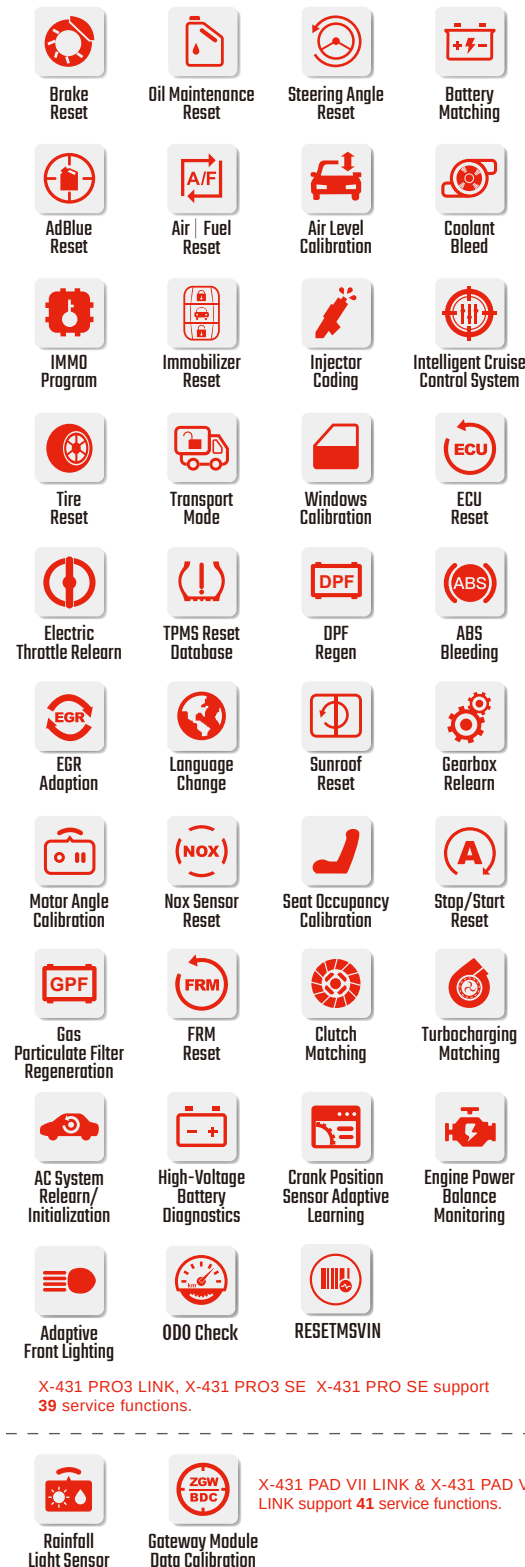
FEATURES

- Support X-431 Fix database to fix the problems fast. **NEW**
- Full system vehicle coverage for U.S., Asian and European markets on over 110 manufacturers, which is continually updated.
- Real-time voltage display is supported, which helps you monitor the voltage condition of the vehicle during the diagnosis.
- Intelligent diagnostic enables automatic VIN identity to automatically access systems quickly.
- The basic functions include read & clear DTC, remote diagnosis, Bi-directional control, live data graph, wireless software update, etc.
- Guided functions for Volkswagen and Audi.
- Optional ADAS calibration function increases more revenue.
- An extended solution to support TPMS service.
- The software is available to purchase separately on the Mall at any time. **MALL**
- Built-in repair information and training videos help to track and fix issues fast.
- Support 24*5 online tech support. 🌐🌙

ADD-ON MODULES

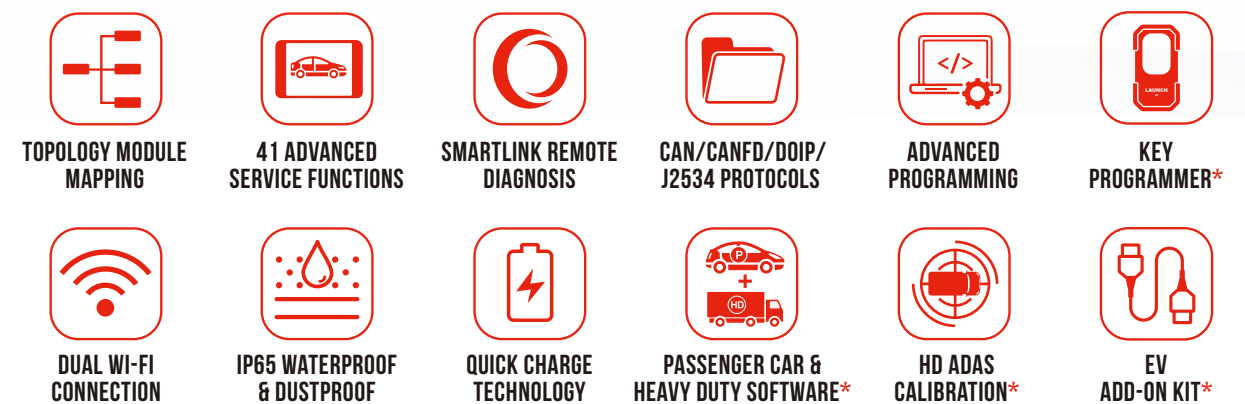


41 SERVICE FUNCTIONS



X-431 PAD VII LINK

THE MOST CUTTING-EDGE SCAN TOOL



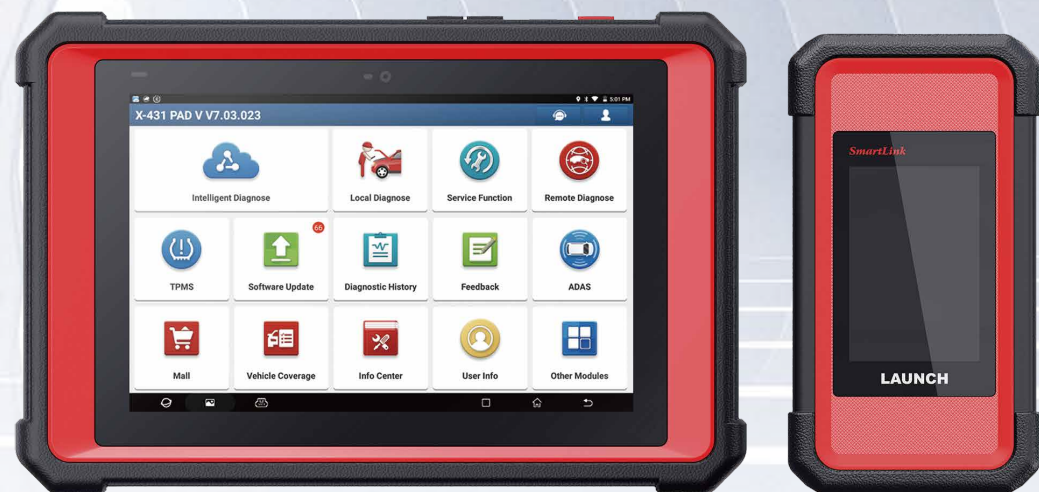
SPECIFICATION

OS	Android 9.0
DISPLAY	13.3", 1920*1080
CPU	2.0GHz,Octa-Core
RAM	8GB
STORAGE	256GB
BATTERY	71.1Wh(7.6V, 9360mAh)
CAMERA	Rear 13MP, Front 8MP
VCI CONNECTION	2.4GHz/5GHz dual Wi-Fi
DIMENSION	353*236*71(mm)
INTERFACE	Micro HDMI/TF*1 & Type C/Type A USB*1 & DC IN*1

* Means to purchase separately.

X-431 PAD V LINK

COMPLETE DIAGNOSIS SCAN TOOL



- TOPOLOGY MODULE MAPPING
- 41 ADVANCED SERVICE FUNCTIONS
- SMARTLINK REMOTE DIAGNOSIS
- CAN/CANFD/DOIP/J2534 PROTOCOLS
- ADVANCED PROGRAMMING
- EV ADD-ON KIT*
- KEY PROGRAMMER*
- IP65 WATERPROOF & DUSTPROOF
- QUICK CHARGE TECHNOLOGY
- CHARGING STATION*
- HD ADAS CALIBRATION*
- PASSENGER CAR & HEAVY DUTY SOFTWARE*

SPECIFICATION

OS	Android 7.1(Open System)
DISPLAY	10.1", 1920*1200
CPU	2.0GHz,Octa-Core
RAM	4GB
STORAGE	128GB
BATTERY	35.57Wh(3.8V,9360mAh)
CAMERA	Rear 13MP, Front 8MP
VCI CONNECTION	2.4GHz/5GHz dual Wi-Fi
DIMENSION	320*211*46(mm)
INTERFACE	TYPE A*1 & TYPE C*1 & TF*1

* Means to purchase separately.

X-431 PRO3 LINK

DUAL DIAGNOSTIC MODE SCANNER



- TOPOLOGY MODULE MAPPING
- 39 ADVANCED SERVICE FUNCTIONS
- SMARTLINK REMOTE DIAGNOSIS
- HD ADAS CALIBRATION*
- PASSENGER CAR & HEAVY DUTY SOFTWARE*
- KEY PROGRAMMER*
- CAN/CANFD/DOIP/J2534 PROTOCOLS
- WIRELESS OE-LEVEL DIAGNOSIS
- ADVANCED PROGRAMMING
- EV ADD-ON KIT*

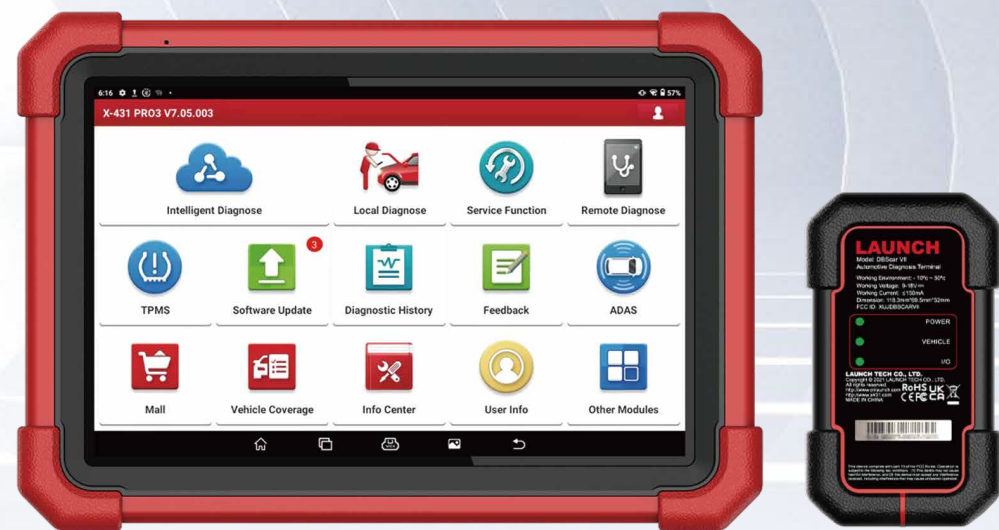
SPECIFICATION

OS	Android 10.0
DISPLAY	10.1", 1280*800
CPU	2.0GHz,Quad-Core
RAM	4GB
STORAGE	64GB
BATTERY	47.88Wh(7.6V,6300mAh)
CAMERA	Rear 8MP
VCI CONNECTION	Bluetooth/USB wired
DIMENSION	274*190.5*40.5(mm)
INTERFACE	TYPE A*1 & TYPE C*1

* Means to purchase separately.

X-431 PRO3 SE

CONSUMER CHOICE FOR YEARS



- TOPOLOGY MODULE MAPPING
- 39 ADVANCED SERVICE FUNCTIONS
- CAN/CANFD/DOIP*^① PROTOCOLS
- PASSENGER CAR & HEAVY DUTY SOFTWARE*^②
- HD ADAS CALIBRATION*^②
- KEY PROGRAMMER*^②
- WIRELESS OE-LEVEL DIAGNOSIS
- ADVANCED CODING
- BI-DIRECTIONAL CONTROL
- OSCILLOSCOPE FUNCTIONALITY*^②
- EV ADD-ON KIT*^②

SPECIFICATION

OS	Android 10.0
DISPLAY	10.1", 1280*800
CPU	2.0GHz,Quad-Core
RAM	4GB
STORAGE	64GB
BATTERY	47.88Wh(7.6V,6300mAh)
CAMERA	Rear 8MP
VCI CONNECTION	Bluetooth/USB wired
DIMENSION	274*190.5*40.5(mm)
INTERFACE	TYPE A*1 & TYPE C*1

^① Need an extra DoIP cable. ^② Means to purchase separately.

X-431 PRO SE

BEST SELLER FOR YEARS



- 39 ADVANCED SERVICE FUNCTIONS
- CAN/CANFD/DOIP*^① PROTOCOLS
- WIRELESS OE-LEVEL DIAGNOSIS
- BI-DIRECTIONAL CONTROL
- KEY PROGRAMMER*^②
- ADVANCED CODING
- ADAS CALIBRATION*^②
- OSCILLOSCOPE FUNCTIONALITY*^②

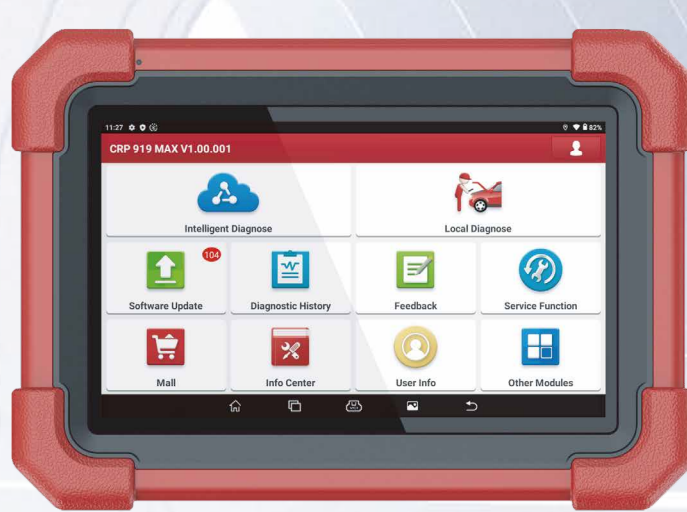
SPECIFICATION

OS	Android 10.0
DISPLAY	8", 1280*800
CPU	2.0GHz,Quad-Core
RAM	4GB
STORAGE	64GB
BATTERY	47.88Wh(7.6V,6300mAh)
CAMERA	Rear 8MP
VCI CONNECTION	Bluetooth/USB wired
DIMENSION	234*166*39.5(mm)
INTERFACE	TYPE A*1 & TYPE C*1

^① Need an extra DoIP cable. ^② Means to purchase separately.

Cread@r Professional 919 MAX

SMART DIAGNOSIS IN THE SMALL BODY







NEW



31 ADVANCED SERVICE FUNCTIONS



CAN/CANFD/DOIP* PROTOCOLS



WIRELESS OE-LEVEL DIAGNOSIS



BI-DIRECTIONAL CONTROL

31 SERVICE FUNCTIONS



Brake Reset



Oil Maintenance Reset



Steering Angle Reset



Battery Matching



ABS Bleeding



Electric Throttle Relearn



TPMS Reset Database



DPF Regen



AC System Relearn/Initialization



Adaptive Front Lighting



AdBlue Reset



Air/Fuel Reset



Air Level Calibration



Coolant Bleed



Crank Position Sensor Adaptive Learning



EGR Adaption



Engine Power Balance Monitoring



Gas Particulate Filter Regeneration



Gearbox Relearn



High-Voltage Battery Diagnostics



Immobilizer Reset



Injector Coding



Intelligent Cruise Control System



Language Change



Nox Sensor Reset



Seat Occupancy Calibration



Stop/Start Reset



Sunroof Reset



Tire Reset



Transport Mode

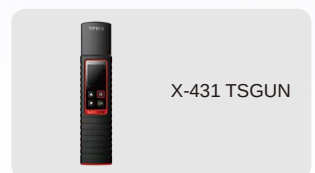


Windows Calibration

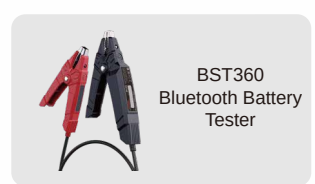
ADD-ON MODULES



VSP-600



X-431 TSGUN



BST360 Bluetooth Battery Tester

SPECIFICATION

OS	Android 10.0	CAMERA	Rear 8MP
DISPLAY	7", 1024*600	Wi-Fi	2.4GHz/5GHz
CPU	2.0GHz,Quad-Core	DIMENSION	218*154*39.5(mm)
RAM	4GB	INTERFACE	TYPE A*1 & TYPE C*1
STORAGE	64GB	WEIGHT	900g
BATTERY	47.88Wh(7.6V,6300mAh)		

* Need an extra DoIP cable.

SmartLink V2.0

DIAGNOSING FROM A THOUSAND MILES AWAY



SmartLink C V2.0



SmartLink B V2.0

SmartLink super remote diagnosis is a revolutionary product in-vehicle remote diagnosis which subverts current remote diagnosis. The remote scanner can communicate with the local vehicle directly! Only a VCI - SmartLink C is needed in local when customers have diagnosis and repair requirements. Besides, it has no limitation of the diagnostic functions. Technician from thousands of miles away could help while they have the function and SmartLink B.



DIAGNOSIS



PROGRAMMING



CODING

FEATURES

- Compatible with LAUNCH tools, OE tools or any other diagnostic tools.
- SmartLink C can be used not only remote diagnosis but also local diagnosis by working with particular LAUNCH intelligent diagnostic tools.
- Support more advanced protocols like DoIP, CANFD, CAN 2.0.
- Publish request and accept offer from Launch Super Remote Diagnosis Reservation Platform.



* The color of some Smartlink version is different.

O2-2 Scopebox

COMPLICATED ELECTRICAL FEATURES? SOLVED



Featuring a new design and upgraded hardware, the LAUNCH O2-2 Scope Box is a versatile easy to use module that detects high level faults on various electrical components, such as sensors, actuators and circuits. By integrating with the X-431 series scan tools via O2-2 application, the O2-2 delivers accurate and conclusive diagnostic faults that enable the shop and technician to enlarge its scan tool's functionality.

FEATURES

- Features the ability to record and playback high-resolution waveform data for future analysis.
- One key enable function allows the user to capture a particular waveform which makes the process 70% more efficient as compared to other scopes.
- Access to 23 variants of automatic measurements that are displayed on one screen for an easy switch.
- Ability to input names and characters directly by clicking on the virtual keyboard, this operation streamlines the process and contributes to 90% efficiency.
- Use the zoom in/ out feature to review precise details.
- Customizable personal system settings that can be saved as configuration files for viewing.
- The self-calibration function allows optimization of the oscilloscope signal path for maximum measurement accuracy.
- Magnifies waveform math operations, such as addition, subtraction, multiplication and FFT function for high level waveform analysis.
- Multiple automotive tests include circuits, sensors, actuators, ignition tests and more.

SPECIFICATION

CHANNELS	4
BANDWIDTH	100MHz
RISE TIME	3.5ns (typical)
ACCURACY	±3%
INPUT IMPEDANCE	1M±1.5%
INPUT TYPE	Single-ended,BNC connector
INPUT COUPLING	DC, AC
OVERLOAD PROTECTION	±200V on single input

TIMEBASE RANGES	1ns~1ks (1channel)
	1ns~1ks (2channel)
	1ns~1ks (4channel)
VERTICAL RESOLUTION	8 bits
BUFFER MEMORY	10M (for 4 channels)
POWER INTERFACE	USB port, DC IN port
DATA EXCHANGE VIA	USB
TRIGGER MODE	Normal, Auto and Single SEQ
ADVANCED TRIGGERS	Edge, Pulse width

S2-2 Sensorbox

MAKE EXTRA PROFIT FOR AUTO REPAIR SHOPS



Launch new S2-2 Sensorbox is designed to test and simulate most vehicle sensors, quickly troubleshooting the ECU. It can be compatible with Launch scanner to maximize the repair shop's revenue.

FEATURES

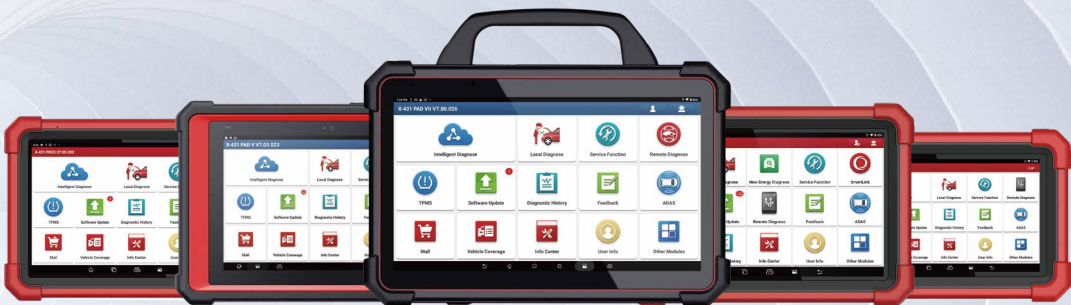
- Check the ECU itself works or not.
- It supports manual write the waveform data.
- Simulate working condition of sensors without replacing parts.
 - ▶ Throttle & Pedal Sensor
 - ▶ Airflow meters
 - ▶ Oxygen Sensor
 - ▶ Temperature Sensor
 - ▶ EGR sensor
 - ▶ Injectors sensor
 - ...
- Simulate some special working condition of sensors without replacing parts.
 - ▶ Crank
 - ▶ Cam sensors inductive and hall
 - ...
- Be used as Multimeter to measures resistance, voltage AC/DC, capacitance, frequency and pulse signals, etc.
- One click to enters the intuitive menu of Sensor, Actuator, Defined/drawn the waveform, Timing waveform, Multimeter, System settings. (work with scanner)

SPECIFICATION

NUMBER OF CHANNEL	2
VOLTAGE SIMULATION RANGE	0-20V
MAX. OUTPUT CURRENT	20mA
SQUARE WAVE SIGNAL PULSE FREQUENCY	0-15KHz
SQUARE WAVE SIGNAL DUTY CYCLE	0-100%
DCV SIMULATION	Support
FREQUENCY SIMULATION	Support
MULTIMETER	Support
OPERATING TEMPERATURE RANGE	0°C~50°C
STORAGE TEMPERATURE RANGE	-30°C~70°C
CERTIFICATE	CE, FCC, RoHS

Update Software to Active More Vehicle Coverage

FOR PASSENGER & COMMERCIAL & EV VEHICLES

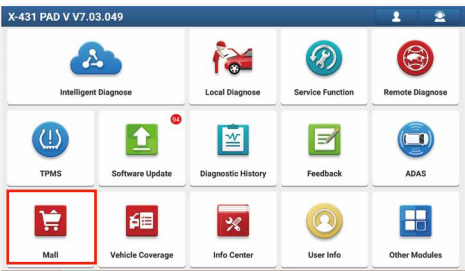


Update software on Launch X-431 series tablet with easiest way to enhance diagnostic capabilities.

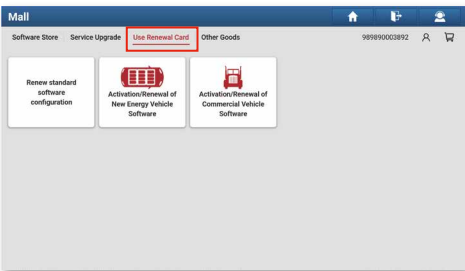
METHOD 1: SOFTWARE PHYSICAL CARD RECHARGE



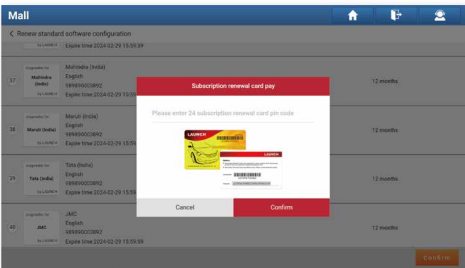
Step 1: Select "Mail" on the tablet.



Step 2: Select "Use Renewal Card" - Renew passenger & commercial & EV vehicles software.



Step 3: Input card pin code to activate.

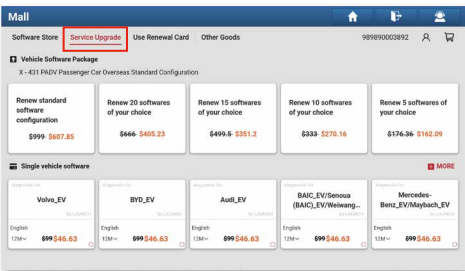


METHOD 2: NO PHYSICAL CARD NEEDED

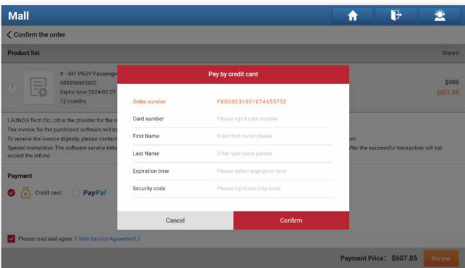
Step 1: Select "Mail" on the tablet.



Step 2: Select "Service Upgrade" - Select Software packages on demand.



Step 3: Pay by credit card or Paypal.



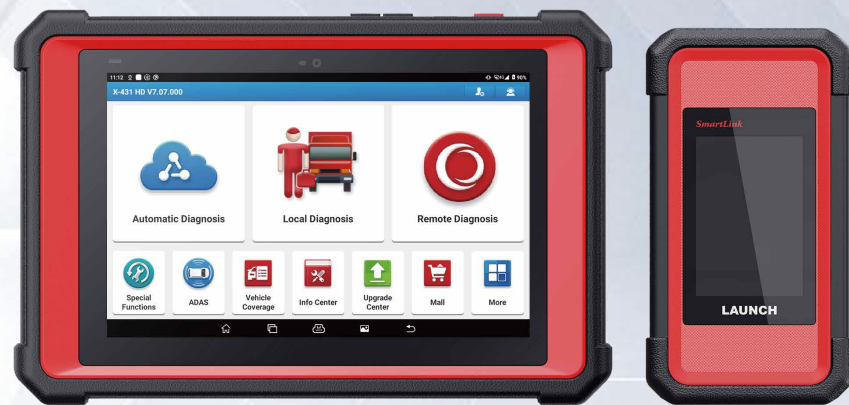
X-431 LATEST COMMERCIAL VEHICLE SCAN TOOLS RECOMMENDATION



UNRIVALLED
VERSATILE
EXPERT-LEVEL

X-431 PAD V LINK HD

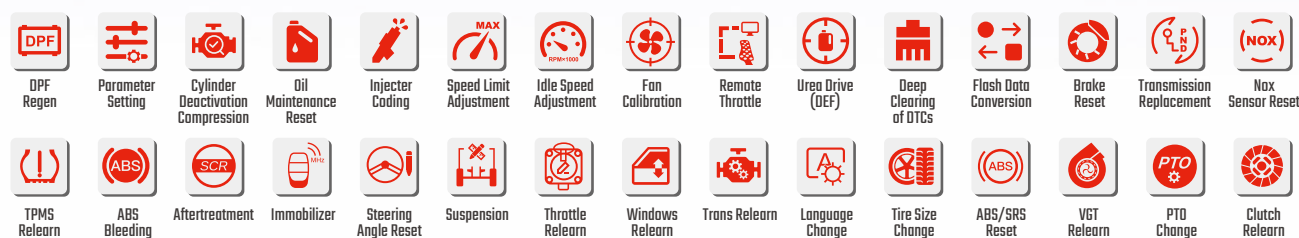
COMMERCIAL VEHICLES REPAIRING & DIAGNOSTICS



FEATURES

- Commercial Vehicles Repairing & Diagnostics service and solution for Truck, Buses, Construction Vehicles, Agricultural Vehicles, Trailer and Vessels, covering a wide range of vehicles.
- Comprehensive diagnostic functions and services include **Topology mapping, X-431 FIX diagnostic database, Smartlink remote diagnosis**, reading and clearing DTC, live data streaming, local remote diagnosis, bi-directional control, wireless software update, coding, etc.
- Supports automotive communication protocols CAN/CANFD/DoIP and automotive communication standards J2534.
- Optional ADAS HD calibration increase more revenue.
- The software is available to purchase separately on the Mall at any time.
- Built-in repair information and training videos help to track and fix issues fast.
- Rechargeable docking station; IP65-rated and 10.1-inch IPS sunlight-readable touch screen with gorilla glass against scratch.
- Toolbox for multiple Add-on Modules supported, including Oscilloscope, Sensorbox, Battery Tester, Videoscope, EV Clamp, EM101N, Key Programmer, etc.

30 SERVICE FUNCTIONS



SPECIFICATION

	Main Unit
OS	Android 7.1
DISPLAY	10.1", 1920*1200
CPU	Qualcomm MSM8953 2.0GHz, Octa-core
RAM	4GB
STORAGE	128GB
BATTERY	3.8V/9360mAh(QC3.0)
CAMERA	Rear 13MP, Front 8MP
VCI CONNECTION	2.4GHz/5GHz
DIMENSION	320*211*46(mm)
INTERFACE	USB Type C/USB 2.0 Type A /Micro-SIM slot(LTE version)

SmartLink C V2.0

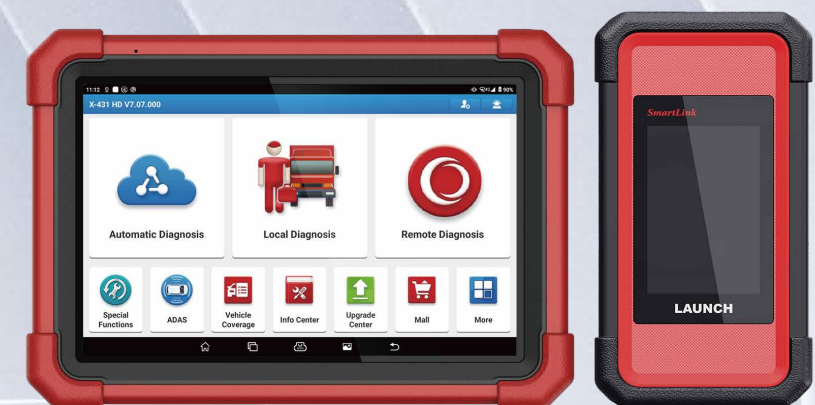
DISPLAY	3.95", 320*480
Wi-Fi	2.4GHz/5GHz
COMMUNICATION	WiFi & Bluetooth & Ethernet
RAM	256MB
STORAGE	8GB
WORKING VOLTAGE	9V DC~36V DC
DIMENSION	200*110*47(mm)

VEHICLE COVERAGE

AISIN HD, Allison, Bendix, Caterpillar, Cummins, Detroit, DEUTZ, Doosan, Eaton, Freightliner, Haldex, Hino, International, Isuzu HD, Iveco HD, KNORR HD, Mack, Man, Maxxforce, Mercedes-Benz HD, MWM HD, OBD HD(public vehicle), Paccar, PERKINS, PSI, Scania, VOITH HD, Volvo HD, Wabco, ZF HD, etc.
**144 diagnostic softwares are available currently, which is continuously updated.*

X-431 PRO3 LINK HD

HD SMARTLINK DIAGNOSTIC



FEATURES

- Access to the vehicle system faster throughout modular design.
- Support X-431 Fix database to fix the problems.
- The software is available to purchase separately on the Mall at any time.
- Brand new tablet integrated with comprehensive heavy-duty coverage.
- Empower you to diagnose light, medium & heavy-duty vehicles.
- Flexible options for USB, Bluetooth and Wi-Fi connection.
- Basic functions include** Read & clear DTC, VIN scan, wireless connection, diagnostic record review, bi-directional test, etc.
- Support Smartlink Remote Diagnosis.
- Optional ADAS HD calibration increase more revenue.
- Toolbox for multiple Add-on Modules supported, including Oscilloscope, Sensorbox, Battery Tester, Videoscope, EV Clamp, EM101N, Key Programmer, etc.

20 SERVICE FUNCTIONS



SPECIFICATION

	Main Unit
OS	Android 10.0
DISPLAY	10.1", 1280*800
CPU	2.0GHz, Quad-Core
RAM	4GB
STORAGE	64GB
BATTERY	47.88Wh(7.6V, 6300mAh)
CAMERA	Rear 8MP
VCI CONNECTION	2.4GHz/5GHz
DIMENSION	274*190.5*40.5(mm)
INTERFACE	TYPE A*1 & TYPE C*1

Main Unit

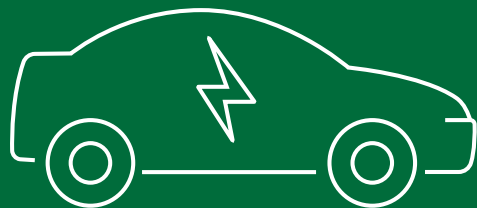
SmartLink C V2.0

DISPLAY	3.95", 320*480
Wi-Fi	2.4GHz/5GHz
COMMUNICATION	Wi-Fi & Bluetooth & Ethernet
RAM	256MB
STORAGE	8GB
WORKING VOLTAGE	9V DC~36V DC
DIMENSION	200*110*47(mm)

VEHICLE COVERAGE

Mercedes-Benz, Man, Volvo, Daf, Scania, Iveco, Renault, Freightliner, International, Kenworth, Peterbilt, Sterling, Western Star, Mack, Hino, Fuso, Isuzu, UD, etc.
**119 vehicle diagnostic softwares are available currently, which is continuously updated.*

EV SOLUTIONS FOR MAINTENANCE & DETECTION



**DIAGNOSTIC
BATTERY PACK TOOL
LIFT**

EV DIAGNOSIS ADD-ON KIT

EV SOLUTIONS FOR MAINTENANCE & DETECTION



LAUNCH New Energy Battery Pack Diagnostic Upgrade Kit comes with battery pack testing cables for various vehicle brands. The battery pack diagnostic software and some diagnostic software for new energy vehicles can be activated and downloaded with the included activation card.

FEATURES

- Supports various battery pack diagnostic methods including non-standard battery pack connector, jumper cables and 16 PIN OBD.
- Quick reading for battery pack information, such as number of battery pack modules, SOC, SOH, temperature, single cell's voltage and temperature of each module, etc., which will help technician to know about the battery status.
- Battery pack data streaming helps to locate issues accurately and improve repairing efficiency.
- Battery pack diagnostic report can be printed and shared via email.

VEHICLE COVERAGE

TESLA, VW, BMW, BYD, CHERY NEW ENERGY, MERCEDES, NIO, LEAP MOTORS, AUDI, BAIC NEW ENERGY, SEAT, SKODA, GM, FORD, FCA, NEZHA NEW ENERGY, ROEWE NEW ENERGY, LIXIANG, XIAOPENG MOTORS, etc.

BATTERY PACK COVERAGE

CATL, GUOXUAN, CALB, AISHUN, E-POW, BYD, SVOLT, RN TECH, COSLIGHT, etc.

ELA320

INTELLIGENT DIGITAL POWER SUPPLY



LAUNCH ELA320 is an intelligent digital power supply for the maintenance of new energy and fuel vehicles. It has stable current output, excellent performance indicators, and a variety of protection mechanisms. It is a digital power supply with high reliability and high efficiency, which is safe and easy to use.

FEATURES

- It is suitable for the maintenance of new energy vehicles and fuel vehicles, and is used for maintenance testing of electrical components.
- The high-voltage module and low-voltage modules can be managed, maintained and monitored separately. The power output is protected separately and the high-voltage and low-voltage outputs will not interfere with each other.
- It has separate protection for input circuit, high-voltage output circuit and low-voltage output circuit, which can detect faults such as undervoltage, overvoltage, overcurrent and short circuit etc.
- Supports protection alarm for faults such as polarity reverse connection, current limiting, short circuit overcurrent, overtemperature, overvoltage and undervoltage etc.
- Built-in cooling fan with intelligent temperature control.

SPECIFICATION

POWER INPUT		AC 110~240V@16A, 50/60Hz
OUTPUT PARAMETERS	HIGH-VOLTAGE VOLTAGE	DC 250~750V
	HIGH-VOLTAGE CURRENT	0~5A
	LOW-VOLTAGE VOLTAGE	DC 12, 24V
	LOW-VOLTAGE CURRENT	1A
OUTPUT VOLTAGE PRECISION		0.1V
OUTPUT CURRENT PRECISION		0.1A
CONTROL PANEL	HIGH VOLTAGE	Voltage regulation, current regulation, output button switch
	LOW VOLTAGE	Button switch DC 12, 24 V voltage, output button switch
DISPLAY METHOD		Eight-segment white LED digital display
COMMUNICATION METHOD		Bluetooth (BLE4.2)
DIMENSIONS		315*192*186(mm)
WEIGHT		4.85Kg

SAFETY TEST		
INSULATION RESISTANCE	AC INPUT-CASE	DC1000V, ≥10MΩ(room temperature)
	DC OUTPUT-CASE	DC1000V, ≥10MΩ(room temperature)
	AC INPUT-DC OUTPUT	DC1000V, ≥10MΩ(room temperature)
WITHSTAND VOLTAGE TEST	AC INPUT-CASE	AC2000V, 50Hz, ≤10mA, 60S
	DC OUTPUT-CASE	AC2000V, 50Hz, ≤10mA, 60S
	AC INPUT-DC OUTPUT	AC2000V, 50Hz, ≤10mA, 60S

WORKING ENVIRONMENT	
WORKING TEMPERATURE	-10~65℃
WORKING ENVIRONMENT HUMIDITY	5~95% relative humidity (no condensation)
STORAGE TEMPERATURE	-40~+70℃

EV CHARGING STATION



The LAUNCH EV CHARGING STATION, a new addition to our EV family, is designed to fit any charging location, whether it's in semi-public areas, business settings, or at home. Its intelligent load management system is compatible with solar power, helping to reduce grid peak pressures and promote eco-friendliness. With the EV CHARGING STATION, you will have an outstanding experience with the powerful load balancing with up to 25 chargers on a single circuit, enjoy the flexibility of 1A grid charging, and optimized energy usage with seamless PV integration.

FEATURES

- Type 2 cable and wall-mount installation.
- APP charging scheduling for convenient operation.
- Multiple communication methods include Ethernet and Wi-Fi.
- Dynamic load balancing supported.
- 0 emission PV charging promotes eco-friendliness.
- Seamless integration with PV systems.
- Adjustable current for optimized PV usage.
- Type A+6mA DC RCD and relay-sticking protection for safety use.

SPECIFICATION

	ECS-007	ECS-011	ECS-022
POWER SUPPLY	1P+N+PE	3P+N+PE	3P+N+PE
RATED VOLTAGE	230V AC	400V AC	400V AC±20%
RATED CURRENT	32A	16A	32A
FREQUENCY	50/60Hz		
RATED POWER	7kW	11kW	22kW
CHARGE CONNECTOR	Type 2 Cable		
CABLE LENGTH	4m		
ENCLOSURE	PC		
INSTALLATION	Wall-mount		
LED INDICATOR	Green/Yellow/Red		
START MODE	App		
CONNECTION	Ethernet/Wi-Fi		
OCPP	OCPP1.6		
RCD	30mA Type A+6mA DC		
INGRESS PROTECTION	IP65		
IMPACT PROTECTION	IK08		
ELECTRICAL PROTECTION	Over current protection, Residual current protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over temperature protection.		
OPERATION TEMPERATURE	-30℃ ~+50℃		
WORK HUMIDITY	5%-95%		
WORK ALTITUDE	<2000m		

ES200

EV INSULATION RESISTANCE TESTER



Insulation resistance meters are commonly known as megohm meters, or shake meters, high resistance meters, insulation resistance testers, etc. It is reflected by insulation resistance. The product insulation resistance which is measured refers to the insulation resistance between the live part and the exposed non-live metal part (case). Using an insulation tester for measurement can effectively protect the safety of maintenance personnel.

FEATURES

- ES200 is capable of measuring insulation resistance, and also innovatively increases the voltage measurement function.
- Equipped with standard resistance, in the comparison measurement mode, the measured resistance value is compared with the standard resistance to ensure the measurement accuracy.
- Three measurement modes: timing measurement, comparison measurement, continuous measurement, and omnidirectional measurement.

SPECIFICATION

BATTERY	3150mAh
DIAPLAY	5"
WORKING TEMPERATURE	0~50°C
DIMENSIONS	180*174*65.5(mm)
WEIGHT	1.7kg

AC AND DC VOLTAGE TEST PERFORMANCE PARAMETERS

VOLTAGE TYPE	DC Voltage	AC Voltage
MEASURING RANGE	±30~±600V	30~600V(50/60Hz)
RESOLUTION	1V	1V
MEASUREMENT ACCURACY	±3%	±3%

INSULATION RESISTANCE TEST PERFORMANCE PARAMETERS

TEST VOLTAGE	500V	1000V	2000V	5000V
MEASURING RANGE	0.0MΩ~20GΩ	0.0MΩ~40GΩ	0.0MΩ~100GΩ	0.0MΩ~1000GΩ
OPEN CIRCUIT VOLTAGE	DC500V(0~20%)	DC1000V(0~20%)	DC2000V(0~20%)	DC5000V(0~20%)
MEASUREMENT ACCURACY	0.0MΩ~99.9MΩ: ±(3%+5) 100MΩ~9.99GΩ: ±(5%+5) 10.0GΩ~20.0GΩ: ±(10%+5)	0.0MΩ~99.9MΩ: ±(3%+5) 100MΩ~9.99GΩ: ±(5%+5) 10.0GΩ~40.0GΩ: ±(10%+5)	0.0MΩ~99.9MΩ: ±(3%+5) 100MΩ~9.99GΩ: ±(5%+5) 10.0GΩ~100GΩ: ±(10%+5)	0.0MΩ~99.9MΩ: ±(3%+5) 100MΩ~9.99GΩ: ±(5%+5) 10.0GΩ~99.9GΩ: ±(10%+5)
SHORT CIRCUIT CURRENT	<3.0mA			

ELB300

EV BATTERY PACK CELL EQUALIZER(24 CHANNELS)



ELB300 is designed for new energy batteries such as lithium iron phosphate, ternary lithium and lithium manganate, and can quickly solve the cruising range degradation caused by the difference in cell capacity due to inconsistent cell voltages.

FEATURES

- The 7-inch LCD touch screen and the intuitive menu simplified the operation.
- Portable, easy to carry and transport.
- Applied to all common lithium battery packs testing with various voltage levels.
- Equalizing maintenance test mode can activate the lithium battery performance completely.
- Support intelligent equalizing function, and equalizing maintenance parameter customization.
- Adopt wave width modulation technology, high efficiency, high power factor, low noise, and low electromagnetic interference.
- Support multiple protection design and alarm settings of voltage, current, temperature abnormal to protect the battery and the balancer.
- Support the safety protection functions such as overvoltage, undervoltage, overcurrent, output short circuit, anti-reverse protection and overheating protection.
- Multiple discharge auto-stop conditions make testing mode more intelligent and flexible, and avoid over-charge and over-discharge.

SPECIFICATION

DISPLAY	7" capacitive LCD touch screen, 800*480
POWER INPUT	Single phase AC 90~264V, 40~60Hz
CHARGING & DISCHARGING VOLTAGE RANGE	DC 1.8~4.2V
VOLTAGE MEASUREMENT ACCURACY	±0.1%FS±2mV (maximum range 5V)
CHARGING & DISCHARGING CURRENT RANGE	0.1~5A (Max)
CURRENT MEASUREMENT ACCURACY	±1%FS±0.05A (maximum range 5A)
BATTERY TEMPERATURE DETECTION ACCURACY	±2°C (-25~+85°C) Charge and discharge temperature range can be set
THE NUMBER OF CHANNELS	2*12
CHARGING & DISCHARGING POWER	600W Max
BATTERY INTERFACE	16 Pin, 24 Pin
PC DATA COMMUNICATION	TCP/IP, USB-Device
WIRELESS COMMUNICATION	Wi-Fi and BT (Wi-Fi external antenna)
CHARGING MODE	Constant current charging + constant voltage charging

DISCHARGING MODE	Constant current (constant power, constant resistance discharge can be set)
PROTECTION FUNCTION	Input overcurrent protection, overvoltage protection, output overcurrent protection, overtemperature protection

SAFETY TEST	
BREAKING DOWN TEST	AC input-case: 2200Vdc 1 min AC input-case DC input-output: 2200Vdc 1 min DC input-case

WORKING ENVIRONMENT	
RADIATION METHOD	Forced air cooling
TEMPERATURE	Working temperature range: -5~40°C; storage temperature: -20~70°C
HUMIDITY	Relative humidity 0~90% (40±2°C)
ELEVATION	Rated altitude 2000m 0~90% (40±2°C)

SIZE AND WEIGHT	
DIMENSIONS/WEIGHT	380*275*460(mm) / 17kg

ELP400

EV BATTERY PACK MODULE CHARGING & DISCHARGING



ELP400 has built-in various test and maintenance modes, which are suitable for the discharge, charging, cycle charging and discharging tests of various lithium batteries on the market. Adopting an intelligent operating system and supports wireless data transmission, it helps to maintain and manage the battery pack, thus extending its service life.

FEATURES

- The 7-inch LCD touch screen and the intuitive menu simplified the operation.
- Portable, easy to carry and transport.
- Applied to all common lithium battery packs testing with various voltage levels.
- Equalizing maintenance test mode can activate the lithium battery performance completely.
- Support intelligent equalizing function, and equalizing maintenance parameter customization.
- Adopt wave width modulation technology, high efficiency, high power factor, low noise, low electromagnetic interference.
- Support multiple protection design and alarm settings of voltage, current, temperature abnormal to protect the battery and the balancer.
- Support the safety protection functions such as overvoltage, undervoltage, overcurrent, output short circuit, anti-reverse protection and overheating protection.
- Multiple discharge auto-stop conditions make testing mode more intelligent and flexible, and avoid over-charge and over-discharge.
- Customized setting the total charging time, constant voltage time, charging capacity, and charging current.

SPECIFICATION

POWER INPUT	AC 90~265V
DATA COMMUNICATION	CAN RS485
DATA DUMP	U disk
DATA STORAGE	16G
MODULE DATA ACQUISITION COMMUNICATION	Harness sampling
GROUP VOLTAGE ACCURACY	±0.5%FS+0.3V, resolution: 0.001V
CELL VOLTAGE ACCURACY ≤±0.1%FS+5mV, RESOLUTION:0.001V	±0.1%FS+5mV, resolution: 0.001V
CURRENT MEASUREMENT ACCURACY	±1%FS+0.2A, resolution: 0.1A
CHARGING / DISCHARGINGT VOLTAGE RANGE	DC 2~260V
CHARGING CURRENT RANGE	0~100A, maximum power 4.4kw
DISCHARGING CURRENT RANGE	0~100A, maximum power 7.2kw
CHARGING CONTROL	Constant current charging + constant voltage charging
DISCHARGING MODE	Constant current discharging
CHARGING AND DISCHARGING DATA ACQUISITION	In-camera active measurement + external can communication data acquisition
ELECTRIC BOX CHARGING AND DISCHARGING PROTECTION	Battery string overcharge and over discharge, battery string temperature is too high protection

MAIN UNIT PROTECTION	Over temperature, over current, current runaway trigger shutdown protection
MAIN UNIT PROTECTION	DC air circuit breaker + release
REVERSE CONNECTION PROTECTION	Available
ABNORMAL PROTECTION	Power failure of power line and main cable
OVER-TEMPERATURE PROTECTION	Over temperature, over current, current runaway trigger shutdown protection
ALARM PROMPT	LCD prompt + buzzer

SAFETY TEST	
BREAKING DOWN TEST	AC input-metal shell: 2200Vdc 1 min AC input-metal shell
	DC input-output: 2200Vdc 1 min DC input-metal

WORKING ENVIRONMENT	
RADIATION METHOD	Forced air cooling
TEMPERATURE	Working temperature range: -5~40°C; storage temperature: -20~70°C
HUMIDITY	Relative humidity 0~90% (40±2°C)
ELEVATION	Rated altitude 2000m

SIZE AND WEIGHT	
DIMENSIONS/WEIGHT	445*329*540 (mm) / 25.6kg

ELT500

EV BATTERY PACK AIR TIGHTNESS TESTER



ELT500 is non-destructive testing equipment with high precision, which uses compressed air as a medium to apply a certain pressure to the inner cavity or surface of the product to be tested, and then uses a high-sensitivity sensor to detect pressure changes to determine the tightness of the product.

FEATURES

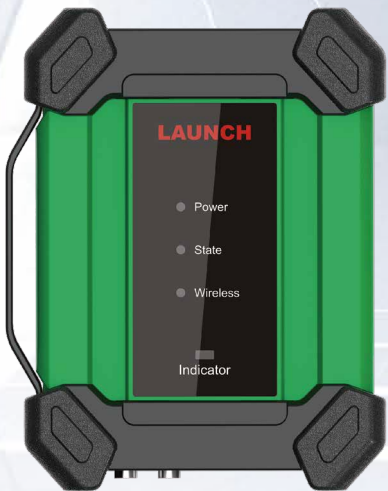
- The 7-inch LCD touch screen and the intuitive menu simplified the operation.
- High-sensitivity pressure sensing, greatly improving test accuracy and stability.
- The test process can display the progress time of each stage.
- Real-time display of pressure dial and display of process pressure curve.
- The test parameters of standard parts can be preset and used directly, which is convenient and quick.
- Parameters such as work piece number, volume, pressure, time of each stage, and leakage limit can be preset.
- Sound and light alarm will be issued when the test is abnormal or failed.

SPECIFICATION

POWER	20W (Max)
TEST PRESSURE RANGE	0~30Kpa
SENSOR RESOLUTION	1Pa
TEST ACCURACY	±5Pa
COMMUNICATION INTERFACE	RS485/USB
DATA STORAGE METHOD	Internal storage, or data upload to USB drive
POWER SUPPLY	AC 90~265V
AIR SOURCE REQUIREMENTS	0.1~1.0 Mpa dry compressed air
INTAKE PORT/TEST PORT	Φ6mm/φ6mm
WORKING TEMPERATURE/HUMIDITY	-10~55°C/10%~90% @25°C
DIMENSIONS/WEIGHT	280*276*360(mm)/4.5kg

EM101N

EV OSCILLOSCOPE & MULTIMETER



The detection and maintenance of the power system is important for new energy vehicles. By viewing the waveform diagram, the maintenance progress can be improved. This product integrates the functions of a multimeter and a dual-channel oscilloscope, which can be used for two purposes. The brand-new diagnostic APP is user-friendly, easy to use and convenient, supports the function of saving and opening waveforms locally.

FEATURES

- Combined with the characteristics of dual-channel oscilloscope and multimeter.
- The anti-fall rubber sleeve increases the protection of the product, and the unique fuse plug-in design is convenient for replacement.
- With X-431 diagnostic tool, it can be connected wirelessly or in wired mode, which can be freely selected.
- With X-431 diagnostic tool, the new UI design supports three display modes, which can be freely switched.
- Needle sets, multimeter pens, alligator clips, oscilloscope channel test leads, etc. are all available.

SPECIFICATION

DC VOLTAGE	Automatic range, test range: ±600V
AC VOLTAGE	Automatic range, test range: ±600V
DC CURRENT	Automatic range, test range: ±10A (It is necessary to connect an external sensor for large range current.)
AC CURRENT	Automatic range, test range: ±10A. Average value measurement (It is necessary to connect an external sensor for large range current.)
RESISTANCE	Automatic range, test range: 0~6MΩ
ON AND OFF	Tweet when less than 30Ω
DIODE	0.5V-2.0V
BATTERY CAPACITY	3100mAh
BANDWIDTH	10MHz
CHANNEL	Two analog channels
REAL-TIME SAMPLING RATE (MAX)	50MHz/s
TIME BASE RANGE	1us/div~10s/div, step by 1~2~5 times

SAMPLING MODE	Normal sampling, peak detection, average
BUFFER MEMORY	1M
INPUT COUPLING	DC, AC, grounded
INPUT RESISTANCE	1MΩ±2%, Parallel with 15pF±5pF
VERTICAL SENSITIVITY	2mV/div~5V/div
VERTICAL RESOLUTION	8bits
MAXIMUM INPUT VOLTAGE	40V peak value (DC + AC peak value)
PROBE ATTENUATION FACTOR	1X, 10X, 100X (probe support required)
TRIGGER TYPE	Edge trigger, pulse width trigger
TRIGGER MODE	Auto, normal, single
AUTOMATIC MEASUREMENT	Peak-to-peak value, average value, maximum value, minimum value, top value, bottom value, frequency, period

TTH-84

84-PIECES EV MAINTENANCE TOOL CART KIT



The TTH-84 84 pcs mechanic tools are introduced for EV maintenance and newly launched into EV market. The insulated tools cart includes 7 layers with different tools to meet the demands of most EV models.

FEATURES

- VDE, IEC60900, GS and CE certificated.
- Insulated tools protect mechanic against electric shock and ensures safety.
- A wide range of tools EV satisfies various vehicle models.

TOOL SET REFERENCE



22pcs 12.5mm Socket Holder Set



23pcs 10mm Socket Holder Set



12pcs Pliers & Screwdriver Tool Holder Set



13pcs Torx & Wrench Tool Holder Set



13pcs Open-end wrench Set

EG100 EV Clamp

ACCURATE & SAFE & STABLE



EG100 is a current clamp for the detection of electric vehicles. It needs to be used with Launch scanners for data display side use. The current clamp has small volume, high accuracy and stable performance, and supports AC/DC current test and DC voltage test.



SIMPLE AND SAFE

Non-contact DC testing can detect when power is on.



FAST AND ACCURATE

Ultra-high sampling frequency combined with a noise reduction algorithm enables rapid and accurate measurement.



COMPACT AND PORTABLE

Ergonomic design, portable, and easy to use.



DATA STABILITY

Immune to EMI and provides stable and reliable measurement data.

FEATURES

◆ DC Voltage/Current Testing

- Designed for EV, and simultaneous measurement of current and voltage.
- Supports measurement range selection.
- Supports real-time test value digital display.
- Supports maximum, minimum, and peak-to-peak value display.
- Record and playback the measurement waveform.

◆ AC Current Test

- Display AC Lower current data.
- Supports measurement range selection.
- Supports real-time test value digital display.
- Supports maximum, minimum, and peak-to-peak value display.
- Record and playback the measurement waveform.

SPECIFICATION

TEST MODE	Clamp CT, non-contact measurement
BATTERY	9V dry battery
PHASE ERROR	≤3°(AC 50Hz/60Hz, 23°C±2°C)
FREQUENCY RESPONSE	DC-50kHz
ACCURACY	±3%FS(23°C±5°C, < 75%rh)
JAW SIZE	φ16mm×18mm (outer diameter of clampable wire)
INPUT MEASURING RANGE	0-200A AC/DC
RESOLUTION	1mA AC/DC
OUTPUT GEAR	10mV/A (0~20 A), 100 mV/A(0~200 A)
WORKING CURRENT	500mA
WORKING TEMPERATURE	0-50°C
ZERO ADJUSTMENT	The ZERO button can be used for zero adjustment to eliminate the interference of geomagnetic field and external electric field
DIMENSION	278*71*37(mm)

TLT610 / TLT615D

EV BATTERY PACK LIFTING PLATFORM



LAUNCH TLT610 and TLT615D are ideal for EV battery pack replacement and other routine maintenance. This compact lift is designed for room limited workplace, and it is capable of operating safely and efficiently by mechanical safety lock.

FEATURES TLT610

- Applicable to the replacement of EV battery pack and disassembly/installation of different parts below 1.0 tons of vehicles.
- A typical hand pendant box to control its lowering and lifting remotely.
- Powered by battery to minimize the security risk.
- Twin hydraulic cylinders ensures its stability of lowering and lifting.
- European CE certificated Standard JT155-2004 and BS EN 1570-1-2011+A1-2014 covered.
- The maximum and minimum lifting height is 1900mm and 600mm respectively.
- The compact and space-saving design make it easily transported anywhere, and ideal for multi-bay facilities.
- Move easily in any direction with roller casters and hand truck.

FEATURES TLT615D

- Working for battery-pack removal and used as specialty lifting brackets.
- Easy to lift and lower with electrical controller, secured by mechanical safety lock.
- Durable and rigid tubular steel features tear resistance, high abrasion resistance, shock absorption buffer.
- The maximum lifting weight is 1500kg, and the maximum lifting height is 1850mm.

SPECIFICATION

ITEM	TLT610	TLT615D
SUPPLY VOLTAGE	AC 220V 50Hz	AC 220V 50Hz
OPERATING VOLTAGE	DC 12V	DC 24V
POWER	2.2kw	2.2kw
RATED LIFTING WEIGHT	1000kg	1500kg
LOWEST HEIGHT	600mm	1200mm
HIGHEST HEIGHT	1900mm	1850mm
PLATFORM WIDTH	800mm	800mm
PLATFORM LENGTH	2200mm	1380mm
ASCENDING TIME	≤60s	<30s
DESCENDING TIME	≤75s	<40s

X-431 INTELLIGENT IMMO & KEY PROGRAMMING



**ANTI-THEFT FUNCTIONS
ECU CLONING
KEY PROGRAMMING**

X-431 IMMO PAD

ALL-IN-ONE KEY PROGRAMMING & ADVANCED DIAGNOSTIC



X-431 IMMO PAD is a latest new product line scan tool from the Key & IMMO Programmer family for car security and immobilizer systems, featuring all-in-one key programming and all systems OE-level diagnostics.



**ALL SYSTEM
OE-LEVEL
DIAGNOSTICS**



**ECU CODING &
PROGRAMMING**



**SMARTLINK
REMOTE DIAGNOSIS**



**39 SERVICE
FUNCTIONS**



**ADVANCED
ANTI-THEFT
FUNCTIONS**



**SMART KEY
PROGRAMMING**



**ADAS
CALIBRATION***



**KEY
PROGRAMMER**

**INTELLIGENT DIAGNOSTICS
ALL SYSTEMS OE-LEVEL DIAGNOSTICS**

**IMMO & KEY PROGRAMMING
ADVANCED CODING AND PROGRAMMING**

**39 SERVICE FUNCTIONS
MORE COVERAGE VIA MALL**

FEATURES

- Advanced ECU cloning included and supports ECU for BOSCH, SIEMENS, CONTINENTAL, ZF, GETRAG, TEMIC, etc.
- Complete IMMO & Programming service works with the "IMMO" software for 50+ makes and the "IMMO PROG" software for 1000+ MCU/ECU models & 1000+EEPROM models.
- IMMO functions include Key Matching, Anti-theft Modules Replacement, ECU reading & writing, ECU coding & programming, etc.
- Full system vehicle coverage for U.S., Asian and European markets over 110 brands. The vehicle coverage is continuously being updating to cover more.
- All systems OE-level diagnostics include comprehensive OBDII diagnostics, read/clear DTCs, bi-directional control, remote diagnosis, live data streaming, coding, etc.
- CAN/CANFD/DoIP communication protocols and J2534 communication standards are supported.
- Both tech-to-tech remote diagnosis and Smartlink remote diagnosis are supported.
- Optional ADAS calibration function increases more revenue.
- Advanced coding and programming functions.
- Complete TPMS service is optional by pairing with a X-431 TSGUN tool.
- Expand the diagnostic coverage via the "Mall" online.
- One-stop Info Center includes vehicle repair information and the latest updates
- Review the previous diagnostic reports by tapping the menu of the Diagnostic History.

* Means to purchase separately.

X-431 IMMO PRO

COMPLETE KEY PROGRAMMING & DIAGNOSTIC SOLUTION



X-431 IMMO PRO is a latest new product line scan tool from the Key & IMMO Programmer family for car security and immobilizer systems, featuring complete IMMO & Programming services and intelligent diagnostics (basic diagnostic functions included).



BASIC VEHICLE
DIAGNOSTICS



COMPREHENSIVE
OBDII DIAGNOSTICS



39 SERVICE
FUNCTIONS



ADVANCED
ANTI-THEFT FUNCTIONS



SMART KEY
PROGRAMMING



KEY
PROGRAMMER

INTELLIGENT DIAGNOSTICS
ALL SYSTEMS OE-LEVEL DIAGNOSTICS

IMMO & KEY PROGRAMMING
ADVANCED CODING FUNCTION

39 SERVICE FUNCTIONS
MORE COVERAGE VIA MALL

FEATURES

- Advanced ECU cloning included and supports ECU for BOSCH, SIEMENS, CONTINENTAL, ZF, GETRAG, TEMIC, etc.
- Complete IMMO & Programming service works with the "IMMO" software for 50+ makes and the "IMMO PROG" software for 1000+ MCU/ECU models & 1000+ EEPROM models.
- IMMO functions include Key Matching, Anti-theft Modules Replacement, ECU reading & writing, ECU coding & programming, etc.
- A vast range of vehicle coverage for U.S., Asian and European markets over 110 brands. The vehicle coverage is continuously updating to cover more.
- Basic local diagnostics include OBD II full functions, basic diagnostic functions (read/ clear DTCs, live data streaming, etc), Bi-directional control, tech-to-tech remote diagnosis, live data streaming, etc.
- CANFD and DoIP* communication protocols are supported with DBSCar VII.
- One-stop Info Center includes vehicle repair information and the latest updates.
- Review the previous diagnostic reports by tapping the menu of the Diagnostic History.
- Complete TPMS service is optional by pairing with a X-431 TSGUN tool.

* Need an extra DoIP cable.

INTELLIGENT DIAGNOSTICS

Faster / Smarter / Powerful

39 SERVICEFUNCTIONS



ADD-ON MODULES



SPECIFICATION

ITEM	X-431 IMMO PAD	X-431 IMMO PRO
OS	Android 7.1	Android 10.0
DISPLAY	10.1", 1920*1200	8", 1280*800
CPU	2.0GHz, Octa-Core	2.0GHz, Quad-Core
RAM	4GB	4GB
STORAGE	128GB	64GB
BATTERY	35.57Wh (3.8V,9360mAh)	47.88Wh (7.6V,6300mAh)
CAMERA	Front 8MP, Rear 13MP	Rear 8MP
Wi-Fi	2.4GHz/5GHz	2.4GHz/5GHz
DIMENSION	320*211*46(mm)	234*166*39.5(mm)
INTERFACE	TYPE A*1 & TYPE C*1	TYPE A*1 & TYPE C*1

* The X-431 IMMO PRO doesn't include ODO Check service function.

X-431 Key Programmer



ANTI-THEFT
TYPE IDENTIFICATION



REMOTE CONTROL
MATCHING



KEY MATCHING



ANTI-THEFT TYPE
PASSWORD READING



KEY CHIP
READ & WRITE



ANTI-THEFT
COMPONENT REPLACEMENT

Super Chip



USAGE SCENARIO

Compatible with chips of most car models for conversion.
It can also be matched for vehicle starting.

FEATURES

1. ONE FOR ALL
2. Supports 8A、8C、8E、4C、4D、4E、48、7935、7936、7938、7939、11/12/13

KEY TYPES SUPPORTED

• Universal Smart Keys

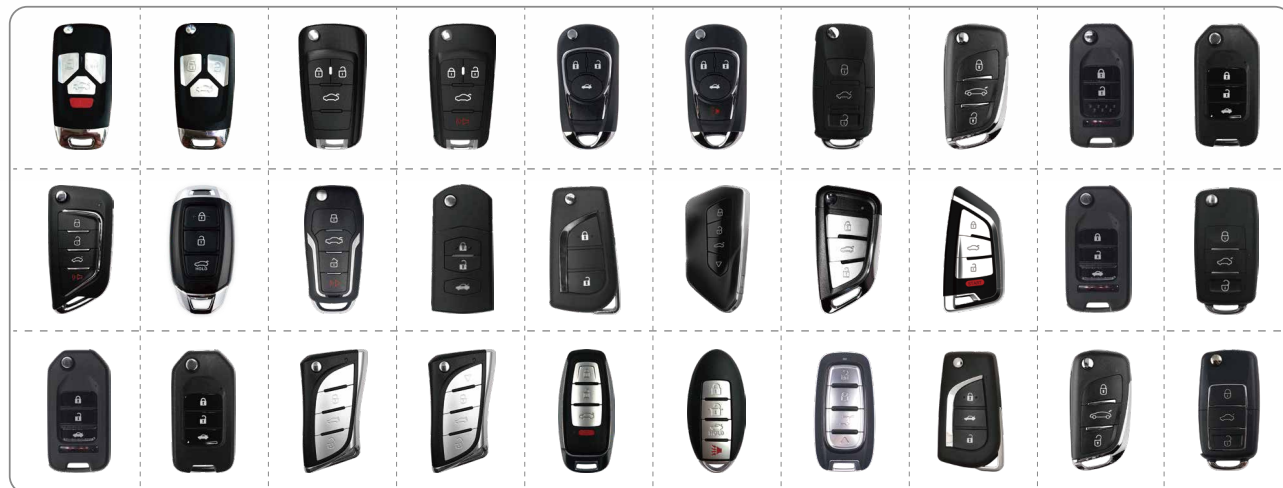
- + Supports simulation of multiple immobilizer transponders including 8A/4D/4A/46/47/48/49/MQB48/MQB49
- + Reprogrammable proxy-key
- + Supports over 1000+ vehicle models
- + Supports smart key replacement
- + Supports wireless programming

• Universal Normal Remote

- + Programming cable required
- + Supports over 2000 vehicle models
- + Reprogrammable normal remote
- + No built-in transponder

• Universal Transponder Keys

- + Built-in cloneable transponder
- + Support simulation of multiple immobilizer transponders including 11/12/13/7936/7937/7946/7947, etc
- + Original NXP immobilizer transponder
- + Supports wireless programming



UNIVERSAL REMOTE KEYS

All remote keys can be purchased separately

LS4-NISN-01

USAGE SCENARIO



LS intelligent key is only compatible with vehicle models equipped with the Kessy system, its functions include keyless starting and door edge sensing.

FEATURES

- Wireless programming
- Equipped with anti-theft chip
- Uses the button cell 2032
- Circuit board with a 2-year warranty
- Repeatable writing
- Batteries need to be installed while generating
- Supports vehicles with 46, 47, MQB48, MQB49, 4A chips

LN3-PUGOT-01

USAGE SCENARIO



Certain chips in LN remote can't generate all vehicle models, it's needed to check whether the type of chip can support the vehicle model, the chip is integrated into the remote.

FEATURES

- Wireless programming
- Equipped with anti-theft chip
- Uses the button cell 2032
- Circuit board with a 2-year warranty
- Repeatable writing
- Batteries need to be installed while generating
- Supports vehicles with 11, 12, 13, 7936, 7937, 7947, 7946 chips

LK3-VOLWG-02

USAGE SCENARIO



LK remote is applied in the situations where the remote needs to be matched but the chip is not needed, or it can also be used with super chip.

FEATURES

- Wiring programming
- Not equipped with an anti-theft chip, needs to be used with an anti-theft chip
- Uses a button cell 2032
- Circuit board with a 2-year warranty
- Repeatable writing
- Batteries cannot be installed while generating

LE4-FRD-01

USAGE SCENARIO



LE remote contains chip and remote, the multimode chip can generate most of the vehicle models and cover the majority of them.

FEATURES

- Wireless programming
- Equipped with a multimode chip
- Uses a button cell 2032
- Circuit board with a 2-year warranty
- Repeatable writing
- Batteries need to be installed while generating

X-431 Key Programmer Set



- LS4-NISN-01*1
- LN3-PUGOT-01*1
- LK3-VOLWG-02*1
- LE4-FRD-01*1
- Type C to USB Connector*1
- Super Chip*1
- Key Programmer Cable*1

LS4-BLADE-01

USAGE SCENARIO



LS intelligent key is only compatible with vehicle models equipped with the Kessy system, its functions include keyless starting and door edge sensing.

FEATURES

- Wireless programming
- Equipped with anti-theft chip
- Uses the button cell 2032
- Circuit board with a 2-year warranty
- Repeatable writing
- Batteries need to be installed while generating
- Supports vehicles with 46, 47, MQB48, MQB49, 4A chips

*LK remote is applied in the situations where the remote needs to be matched but the chip is not needed, or it can also be used with super chip.

SPECIFICATION

SIZE	80*40*11.2mm
WORKING VOLTAGE	5V
OPERATING TEMPERATURE	0-50°C
COMMUNICATION INTERFACE	USB
INTERFACE	Low-frequency communication interface (125K low-frequency transceiving), High-frequency communication interface (13.56M high-frequency transceiving, frequency measurement for 3000M-500M high-frequency signal)

X-431 ECU & TCU Programmer

STANDALONE CLONE PRODUCT



◆ ECUs Data Reading & Writing quickly

- Support two methods to read various vehicle brand ECUs info.
- Support Read the chip ID and Back up the EEPROM data.
- Support Back up the FLASH data and Restore EEPROM/FLASH data.

◆ Support Data Processing, anti-theft shutdown and file verification.

◆ Current adapter accessories

- X-PROG3 Adapter Cable 1 (DQ200XX)
- X-PROG3 Adapter Cable 2 (VL381)
- X-PROG3 Adapter Cable 3 (DQ380)
- X-PROG3 Adapter Cable 4 (DQ250)
- X-PROG3 Adapter Cable 5 (DL501)
- X-PROG3 Adapter Cable 6 (DL382)
- X-PROG3 Adapter Cable 7 (VGS-NAG3)
- X-PROG3 Adapter Cable 8 (VGS2-FDCT/VGS-FDCT)
- X-PROG3 Adapter Cable 9 (VGS3-NAG2)
- X-PROG3 Adapter Cable 10 (8HP_V1(BMW/LR)/8HP_V2/8HP_V3)
- X-PROG3 Adapter Cable 11 (MPS6)
- X-PROG3 Adapter Cable 12 (DPS6)
- X-PROG3 Adapter Cable Main Line (ML)

ECUS SUPPORTED LISTS

ECU Name	ECU Type	ECU Brand
EDC16XX	ECM	Bosch
EDC17XX	ECM	Bosch
MD1CSXXX	ECM	Bosch
MD1CPXXX	ECM	Bosch
ME17.X.X	ECM	Bosch
MED17.X.X	ECM	Bosch
MED9.X.X	ECM	Bosch
MEV17.X.X	ECM	Bosch
MEVD17.X.X	ECM	Bosch
MG1CSXXX	ECM	Bosch
MG1CPXXX	ECM	Bosch
MSDXX	ECM	CONTINENTAL/SIEMENS
MSVXX	ECM	CONTINENTAL/SIEMENS
SDIX	ECM	Continental
GM EXX/TXX	ECM	DELCO
SIM271XX	ECM	Continental
SIMOS12.X	ECM	Continental
SIMOS8.X	ECM	Continental

ECU Name	ECU Type	ECU Brand
SIMOS-PCR2.X	ECM	Continental
6HPXX	TCM	ZF
8HPXX	TCM	ZF
7DCT300	TCM	ZF
9G Tronic	TCM	Bosch
ALXXX	TCM	ZF
TCXX	TCM	Bosch
DPS6/DC4	TCM	GETRAG
DKG	TCM	GETRAG
DLXXX	TCM	Temic
DQXXX	TCM	Temic
MPS6	TCM	GETRAG
SPS6	TCM	GETRAG
VGSX	TCM	GETRAG
VL381	TCM	Temic
GM 6TXX/6LXX	TCM	DELCO
MEDG17.9.8	TCM	Bosch
MEG17.9.2	TCM	Bosch

X-PROG3 PC Adaptor

FULL ECU AND TCU CLONING COMPANION



HIGHLIGHTS

- Pair up with X-PROG3 to effortlessly clone ECU and TCU from your PC.
- 2D menu, clear and easy to choose.
- Powerful search function.
- Convenient copy and modification of ECU data.
- Fast and stable USB communication.
- Engine data validation supported. **Exclusive**
- Engine anti-theft deactivation function added. **Exclusive**

SPECIFICATION

CPU	72MHz
POWER CONSUMPTION	≤3W
INPUT VOLTAGE	12~23V
WOKING TEMPERATURE	0℃~50℃
DIAGNOSTIC COMMUNICATION	USB
DIMENSION	142*80*20(mm)
INTERFACE	Type-B*1 & DC-IN*1 & DB15*1 & DB26*2

ECUSUPPORTINGLIST

ECU Name	ECU Type	ECU Brand	G3
EDC16XX	ECM	Bosch	Support
EDC17XX	ECM	Bosch	Support
MD1CSXXX	ECM	Bosch	Support
MD1CPXXX	ECM	Bosch	Support
ME17.X.X	ECM	Bosch	Support
MED17.X.X	ECM	Bosch	Support
MED9.X.X	ECM	Bosch	Support
MEV17.X.X	ECM	Bosch	Support
MEVD17.X.X	ECM	Bosch	Support
MG1CSXXX	ECM	Bosch	Support
MG1CPXXX	ECM	Bosch	Support
MSDXX	ECM	CONTINENTAL/SIEMENS	Support
MSVXX	ECM	CONTINENTAL/SIEMENS	Support
SDIX	ECM	Continental	Support
GM EXX/TXX	ECM	DELCO	Support
SIM271XX	ECM	Continental	Support
SIMOS12.X	ECM	Continental	Not support
SIMOS8.X	ECM	Continental	Support

ECU Name	ECU Type	ECU Brand	G3
SIMOS-PCR2.X	ECM	Continental	Not support
6HPXX	TCM	ZF	Support
8HPXX	TCM	ZF	Support
7DCT300	TCM	ZF	Support
9G Tronic	TCM	Bosch	Support
ALXXX	TCM	ZF	Support
TCXX	TCM	Bosch	Support
DPS6/DC4	TCM	GETRAG	Support
DKG	TCM	GETRAG	Support
DLXXX	TCM	Temic	Support
DQXXX	TCM	Temic	Support
MPS6	TCM	GETRAG	Support
SPS6	TCM	GETRAG	Support
VGSX	TCM	GETRAG	Support
VL381	TCM	Temic	Support
GM 6TXX/6LXX	TCM	DELCO	Support
MEDG17.9.8	TCM	Bosch	Support
MEG17.9.2	TCM	Bosch	Support

The list is continuously updating.

Toyota All Keys Lost BCM Cables

Compatible with Launch X-431 IMMO PAD,
IMMO PRO with X-PROG3

All Toyota H mechanical keys lost - CH-01 cable



For Toyota 8A mechanical keys all lost, the applicable models are: car models as of 2014 such as Corolla, Levin, Camry, Highlander, and PRADO.

All Toyota 27Pin (F12) smart keys lost - CH-02 cable



For all 4A, 8A-A9, and 8A-AA smart keys all lost, the applicable models are: car models as of 2019 such as Corolla, Levin, ALLION, Lingshang, Yize, Camry, RAV4, AVALON, Crown, and WILDLANDER, equipped with TMLF18D and TMLF15 smart boxes. The OBD mode is also applicable for these car models.

All Toyota 24Pin (F15/F18) smart keys lost - CH-03 cable



For all F15/F18 smart keys lost, the applicable models are: car models as of 2019 such as Highlander, Alphard, and Vellfire, equipped with TMLF12 smart box. The OBD mode is also applicable for these car models.

X-PROG3

SCAN TOOLS' IMMO ASSIST



X-PROG 3 is a compatible add-on module to pair with a professional X-431 scan tool to carry IMMO & Key Programming functions.



ANTI-THEFT TYPE IDENTIFICATION



REMOTE CONTROL MATCHING



KEY MATCHING



ANTI-THEFT TYPE PASSWORD READING



KEY CHIP READ & WRITE



ANTI-THEFT COMPONENT REPLACEMENT

FEATURES

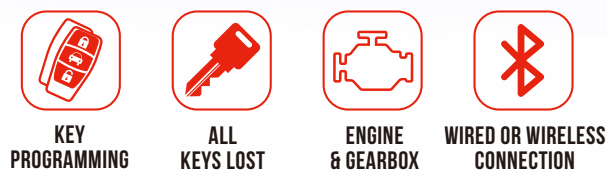
- Supports EEPROM read/write, MCU read/write and Key read/write.
- UDS engine replacement function for car models as of 2014 (original engine is not required).
- OBD read MED17 engine.
- Supports Volkswagen/ Audi fourth and fifth generation key matching.
- Supports Volkswagen four generations of instruments dismantled and read all lost.
- Supports Volkswageris fourth generation free account is lost.
- Supports Volkswagen fourth generation steering column replacement and UDS engine replacement.
- Supports Audi fifth generation steering column chip read and write.
- Supports Volkswagen/ Audi MQB engine, gearbox, steering column replacement.
- Supports Volkswagen/ Audi fifth generation and MQB gearbox FLASH and EEPROM read and write.
- Supports Volkswagen/ Audi Bosch engine clone and Siemens engine clone.
- Supports Mercedes-Benz Key Matching (FBS3), Mercedes-Benz engine and gearbox brushed empty (FBS3), Mercedes-Benz engine (FBS4), Mercedes-Benz Gearbox Clone (FBS4), Mercedes-Benz key increase calculation password (FBS3), Calculation password for all lost Mercedes keys (FBS3) and Mercedes-Benz Lock Replacement (FBS3).
- Supports BMW(CAS1/CAS2/CAS3/CAS4 and FEM/BDC), BMW Engine ISN Code Read, BMW E chassis 8HP gearbox brushed empty and clone, BMW F chassis 6HP gearbox brushed empty and clone, BMW F /G chassis 8HP gearbox brushed empty and clone, BMW Engine Replacement, BMW Bosch/Siemens engine clone.
- Supports Porsche Cayenne Lost all keys(2006-2010) and key matching(2011-2017), Porsche front-end and back- -end computer clones, Porsche-Siemens engine computer clone, Bosch engine clone of other vehicle lines, Siemens engine clone of other vehicle lines and other models gearbox clone.

SPECIFICATION

INTERFACE	DB26, DB15
INPUT POWER	DC 12V
WORKING CURRENT MAX	500mA
POWER CONSUMPTION	5W
STORAGE TEMPERATURE	-20℃~70℃
WORKING TEMPREATURE	0℃~50℃
DIMENSION	228*120(mm)

X-431 IMMO ADD-ON KIT

WITH 2-YEARS RENEWAL CARD



The X-431 IMMO ADD-ON kit is an ideal IMMO solution for professional repair shops and vehicle maintenance businesses. When working with X-431 diagnostic scanners, the kit can program keys, engines, transmissions, and reprogram multiple parts for a wide range of vehicles. Currently works with X-431 PAD VII LINK, PAD V LINK, PRO3 LINK and PRO3 SE.

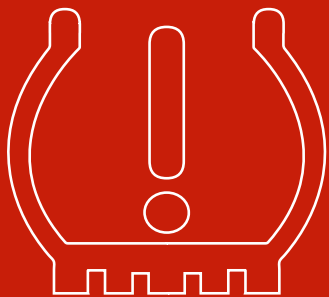
No.	Accessory Name	QTY	Description and Reference Picture
1	X-PROG 3	1	X-PROG 3 is a chip reading device that can read/write keys to the vehicle. Working with X-431 diagnostic scanners, X-PROG 3 enables Anti-theft type identification, Remote control matching, Key chip reading & matching, anti-theft password reading and anti-theft component replacement.
2	Main Diagnostic Cable	1	To connect vehicle DLC port, VCI and immobilizer programmer for diagnose.
3	EEPROM Adaptor Chip	1	Place the EEPROM chip onto the adaptor, and then plug it into the immobilizer programmer socket.
4	MCU1	1	Connect the immobilizer programmer with MCU(chip soldering is required in this procedure).
5	MCU2	1	Connect the immobilizer programmer with MCU(chip soldering is required in this procedure).
6	EEPROM Converter 1	1	Solder the desired chip on the EEPROM converter, and then plug the board into the immobilizer programmer (chip soldering is required).
7	Benz Infrared Analog Acquisition Key	1	To connect the immobilizer programmer with the key lock, insert the key into the immobilizer programmer for further key operations.

No.	Accessory Name	QTY	Description and Reference Picture
8	Immobilizer Programmer Simulated Key	1	Used to connect the immobilizer programmer when performing the all keys lost function for models such as Toyota, Hyundai, Kia, and BYD.
9	The Fourth Generation Of Eeprom Data Acquisition Cable (Without Dismantling Dashboard)	1	Connect the immobilizer programmer and vehicle dashboard, and then place the probe(the yellow lead) to the designated area.
10	Mcu Cable With Multiple Leads	1	To connect the programmer and MCU.
11	Bench Mode Cable	1	Connect the immobilizer programmer and the engine to read engine or gearbox ECU (Connect engine ECU with the BENCH mode cable based on BENCH mode diagram)
12	Matching Adapter A	5	
13	Matching Adapter B	6	
14	Matching Adapter C	7	
15	Matching Adapter D	8	
16	Matching Adapter E	6	
17	Switching Power Supply	1	To provide power supply for the immobilizer programmer.
18	Toyota H mechanical Key all lost Cable CH01	1	
19	X-PROG3 PC Adaptor	1	
20	USB Cable (Type B)	1	
21	MCU3	1	a.When performing ECU cloning function and BENCH mode connection, need to connect a 120 Ω resistor or connected to the immobilizer programmer panel, MCU3 (with builtin resistor and power supply) can be used instead to facilitate connection. b.When performing Benz key all lost function, follow the connection diagram on the platform to connect MCU3.
22	DC Adapter Cable	1	
23	MCU3 Adapter Cable F	1	
24	MCU3 Connection Cable	1	
25	E-PIN CARD for [X-431 IMMO Add-on Kit], 2 Year's Subscription, optional (301181189)	1	Include: Full IMMO software; 2 year's IMMO software update
26	E-PIN CARD for [X-431 IMMO Add-On Kit], 1 Year Renewal, optional (301181184)	1	Include: Full IMMO software 1 year renewal

*The list above is for reference only. Accessories may vary by country or district. For details, please consult the local dealer or check the packing list supplied with the product.

X-PROG3 Gearbox Cloning Adapter Kit				
	ACCESSORY NAME	MATERIAL CODE	FUNCTION	PICTURE
1	X-PROG3 Adapter Cable 1 (DQ200XX)	307110077	Used to connect the DQ200XX gearbox, and available models include VW, Audi, etc.	
2	X-PROG3 Adapter Cable 2 (VL381)	307110078	Used to connect the VL381 gearbox, and available models include VW, Audi, etc.	
3	X-PROG3 Adapter Cable 3 (DQ380)	307110079	Used to connect the DQ380/DQ381/DQ500 gearbox, and available models include VW, Audi, etc.	
4	X-PROG3 Adapter Cable 4 (DQ250)	307110080	Used to connect the DQ250 gearbox, and available models include VW, Audi, etc.	
5	X-PROG3 Adapter Cable 5 (DL501)	307110081	Used to connect the DL501XX gearbox, and available models include VW, Audi, Porsche, etc.	
6	X-PROG3 Adapter Cable 6 (DL382)	307110082	Used to connect the DL382 gearbox, and available models include VW, Audi, etc.	
7	X-PROG3 Adapter Cable 7 (VGS-NAG3)	307110083	Used to connect the VGS-NAG3 gearbox, and available models include Benz, Nissan, etc.	
8	X-PROG3 Adapter Cable 8 (VGS2-FDCT/VGS-FDCT)	307110084	Used to connect the VGS-FDCT/VGS2-FDCT gearbox, and available models include Benz, Infiniti, etc.	
9	X-PROG3 Adapter Cable 9 (VGS3-NAG2)	307110085	Used to connect the VGS3-NAG2 gearbox, and available models include Benz, etc.	
10	X-PROG3 Adapter Cable 10 (8HP_V1(BMW/LR)/8HP_V2/8HP_V3)	307110086	Used to connect the 8HPXX/AL450/AL551/AL552 gearbox, and available models include BMW, Land Rover, Jaguar, Dodge, Alpina, Chrysler, Rolls Royce, Alfa Romeo, Aston Martin, Great Wall, Jeep, Lamborghini, Maserati, Iveco, etc.	
11	X-PROG3 Adapter Cable 11 (MPS6)	307110087	Used to connect the MPS6/MPS6_GEN3 gearbox, and available models include Ford, Renault, Chrysler, Dodge, Land Rover, Volvo, etc.	
12	X-PROG3 Adapter Cable 12 (DPS6)	307110088	Used to connect the DPS6 gearbox, and available models include Ford, etc.	
13	X-PROG3 Adapter Cable Main Line (ML)	307110089	The extension wire of the gearbox harness, with one end connected to the immobilizer programmer and the other end connected to the gearbox harness.	

LAUNCH COMPLETE TPMS SOLUTIONS



TIRE SHOP
COLLISION SHOP
REPAIR SHOP

CRT 711

STAND-ALONE TPMS DIAGNOSTICS



As a professional TPMS diagnostic tool, CRT 711 is capable of reading, learning and programming Launch sensors, as well as sensor ID activation by the RF signals. There are four LTR-03 RF sensors included in the tool kit package.

99% VEHICLE COVERAGE
U.S., EURO AND ASIAN

315/433 MHZ SENSORS
100% ACTIVATED

EFFICIENCY INCREASED BY 70%
OF TIRE PRESSURE REPLACEMENT

30 SERVICE FUNCTIONS



FEATURES

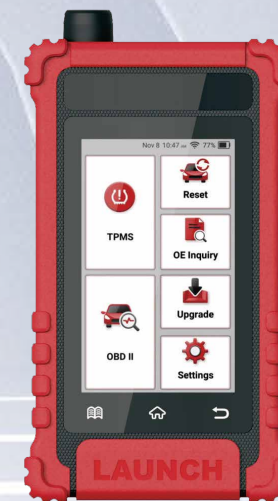
- Android-based wireless TPMS & diagnostic tool.
- All 315MHz/433MHz sensors activations/reading/relearning functions are supported.
- TPMS matching by the OBD port is supported with prompt learning steps.
- Reading, copying and unlimited programming Launch sensor ID services are supported.
- 4 sensors programming methods are supported, including create automatically, activate and copy, OBD copy and input ID manually.
- Display tire pressure, tire temperature and battery status at a glance.
- TPMS trouble-shooting diagnosis includes reading DTCs, clearing DTCs, etc.
- AI vehicle selection and OE vehicle selection are supported.
- 2 years free software upgrade.

SPECIFICATION

OS	Android 10.0
DISPLAY	7", 600*1024
CPU	2.0GHZ
RAM	3GB
STORAGE	32GB
BATTERY	6000mAh
DIMENSION	252*148*36(mm)
DIAGNOSTIC CONNECTION	DB15

CRT 511S

LATEST INTELLIGENT TPMS DIAGNOSTICS



Based on Android, CRT 511S integrates the functions of activating, reading, learning and programming for TPMS sensor.

12 SERVICE FUNCTIONS

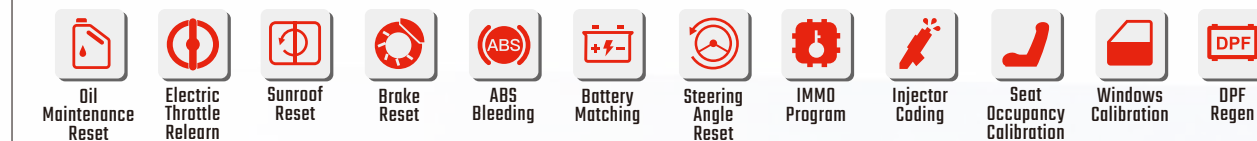
INCREASED 70% EFFICIENCY OF SENSOR REPLACEMENT

315/433 MHZ SENSORS 100% ACTIVATED

FEATURES

- 4 inch touch screen with intuitive interface
- Covers over 98% of global vehicles with tire pressure system.
- Intelligent tire pressure detection.
- Support 12 service functions.
- Support the OE query and positioning function of sensor.
- Support the query function of Bus model.
- Activate and match with all 315 MHz/ 433 MHz tire pressure sensors.
- Reset, relearn and reprogram tire pressure sensors fast.
- Diagnose the tire pressure issues, read and clear tire pressure DTCs.
- Reprogramming LAUNCH sensors with unlimited times.
- Read tire pressure, tire temperature and battery status accurately.
- Built-in learning tutorial for easy operation.
- Wi-Fi software upgrade
- Support the function of checking vehicle tire pressure report.
- **Multiple ID generation methods:** Manual creation, copy ID, Automatic creation.
- OBD II/ EOBD functions included.

12 SERVICE FUNCTIONS



SPECIFICATION

DISPLAY	4"
RESOLUTION	480*800
BATTERY	4000mAh
OBDII INPUT VOLTAGE	9V~18V
DC INPUT VOLTAGE	DC 5V
WORKING TEMPERATURE	0°C~50°C
STORAGE TEMPERATURE	-20°C~70°C
DIMENSION	159*88*37(mm)
WEIGHT	0.7kg

CRT 511

STAND-ALONE TPMS DIAGNOSTICS



CRT 511 is an universal TPMS diagnostic tool with extensive vehicle coverage of U.S., Euro and Asian. It works faster and accurate by featuring relearn study and sensor programming.

98% VEHICLE COVERAGE
U.S., EURO AND ASIAN

315/433 MHZ SENSORS
100% ACTIVATED

STAND-ALONE TPMS DIAGNOSTICS
NO NEED TO BIND WITH A LAUNCH SCANNER

FEATURES

- Covers over 98% of global vehicles with tire pressure system.
- Activate and match with all 315 MHz/433 MHz tire pressure sensors.
- Reset, relearn and reprogram tire pressure sensors fast.
- Diagnose the tire pressure issues, read and clear tire pressure DTCs.
- Reprogramming LAUNCH sensors with unlimited times.
- Read tire pressure, tire temperature and battery status accurately.
- Reprogram up to 8 sensors at one time.
- Built-in learning tutorial for easy operation.
- Multiple ID generation methods:**
Manual creation, copy ID, Automatic creation.
- OBD II / EOBD functions included.



SPECIFICATION

DISPLAY	3.5"
RESOLUTION	320*480
BATTERY	3100mAh
OBDII INPUT VOLTAGE	9V~18V
DC INPUT VOLTAGE	DC 5V
WORKING TEMPERATURE	-20°C~70°C
STORAGE TEMPERATURE	-20°C~70°C
DIMENSION	200*115*35(mm)
WEIGHT	<450kg

i-TPMS

NEW-GENERATION HANDHELD TPMS SERVICE TOOL



The i-TPMS provides professional and comprehensive TPMS services for repair shops to develop their TPMS business. It can program LAUNCH LTR RF sensors for unlimited times to replace OE sensors. The sensor data can be read instantly and accurately, including sensor ID, tire pressure, tire temperature, battery status, etc.

BIND WITH AN X-431 SCANNER	STANDALONE USAGE WITH THE APP
☒ Activation ☒ Relearn	☒ Activation ☒ Copy TPMS Sensors ID
☒ Programming ☒ Diagnose	☒ Programming
X-431 PAD VII LINK X-431 PAD V LINK X-431 PRO3 SE	X-431 PRO3 LINK X-431 PRO SE
	Install "i-TPMS" APP on an Android-based smart device to experience the TPMS service.

98% VEHICLE COVERAGE
WITH TPMS-EQUIPPED SYSTEM

315/433 MHZ SENSORS
100% ACTIVATED

UNLIMITED PROGRAMMING
FOR LAUNCH SENSORS

SPECIFICATION

DISPLAY	1.77", 168*128
BATTERY	2000mAh
OBDII INPUT VOLTAGE	9V~18V
DC INPUT VOLTAGE	DC 5V
WORKING CURRENT	≤1A
WORKING TEMPERATURE	-10°C~50°C
STORAGE TEMPERATURE	-20°C~60°C
DIMENSION	252*54*30 (mm)

X-431 TSGUN

EXPAND TPMS DIAGNOSTIC FUNCTIONS WITH A LAUNCH SCANNER



LAUNCH X-431 TSGUN TPMS WAND is a portable, affordable and formidable powerful TPMS tools, designed to work with Launch X-431 diagnostic tools to expand TPMS diagnostic functions and generate new revenues for the X-431 users.

98% VEHICLE COVERAGE
U.S., EURO AND ASIAN

315/433 MHZ SENSORS
100% ACTIVATED

WORK WITH A LAUNCH SCANNER
TO DEVELOP TPMS
DIAGNOSTICS BUSINESS



FEATURES

- Covers 98% of global vehicles with the tire pressure system.
- Expand your X- 431 diagnostic scan tools to support tire service.
- Diagnose tire pressure fault, including reading and clearing DTCs, etc.
- TPMS status is synchronously displayed on the screen of the diagnostic scan tools.
- Activate and match all 315MHz or 433MHz sensors.
- Built-in tire pressure learning instruction makes operation easier.



Read Tire Pressure
& Temperature
& Battery Status



Diagnose Tire
Pressure Sensors



Tire Pressure
Learning



Read & Copy
& Write Sensor ID



Active & Match All 315 /
433MHz Sensors



Reprogram
LAUNCH Sensors
Unlimited Times

SPECIFICATION

DISPLAY	1.77", 168*128
BATTERY	3000mAh
DC INPUT VOLTAGE	DC 5V
WORKING CURRENT	1A
WORKING TEMPERATURE	-10°C~50°C
STORAGE TEMPERATURE	-20°C~60°C
DIMENSION	252*54*30(mm)
WEIGHT	<350g

LTR RF Sensor

UNIVERSAL & PROGRAMMER TPMS SENSING



LTR-03



LTR-V

LTR RF Sensor is designed to offer an upgraded TPMS solution for repair shops and tire shops, which features high RF signal to copy all original sensors and unlimited programming of Launch sensors.

FEATURES

- The LTR-V is significantly smaller than its predecessor but offers a stronger signal.
- Optimized RF antenna for better signal transmission.
- Compatible with more than 98% of OE sensors in 315MHz / 433MHz.
- The pressure value of LTR Sensor can be accurate to 0.1BAR with an international leading automotive-grade chip.
- Able to replace all the OE tire pressure sensors, copy the OE sensor data and can be programmed for unlimited times.
- Over-the air wireless programming and battery life lasts for 4 to 5 years.

LAUNCH UNIVERSAL & PROGRAMMABLE TPMS SENSOR



Cover 99% Vehicle
TPMS Application



315MHz + 433MHz



Battery Life
of 4 to 5 Years



Unlimited
Programming Times



0.1mm
Accuracy



High Optimized
RF Antenna

SPECIFICATION

	LTR-03	LTR-V
OPERATING FREQUENCY	315MHz / 433MHz	315MHz / 433MHz
BATTERY VOLTAGE	3.0V	3.0V
RF TRANSMITTER POWER	5~8dBm	5~8dBm
STORAGE TEMPERATURE	-40°C~125°C	-40°C~125°C
WORKING TEMPERATURE	-40°C~125°C	-40°C~125°C
PRESSURE MONITOR RANGE	0~800kPa	0~800kPa
PRESSURE READING ACCURACY	±10kPa	±10kPa
TEMPERATURE READING ACCURACY	±5°C	±5°C
DIMENSION	42.5*19.5*73(mm)	27.2*20*76.4(mm)
WEIGHT	28g	24g

CRT 100 TPMS Solar Display

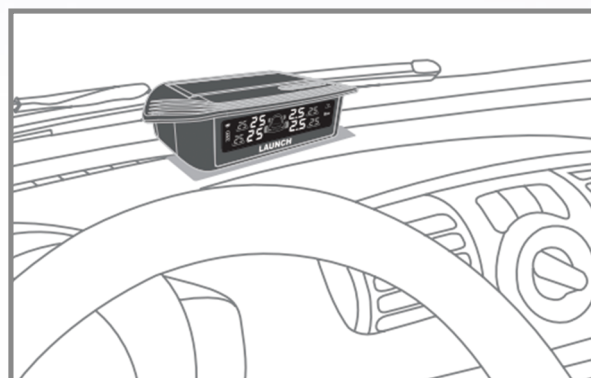
UNIVERSAL REAL-TIME TIRE PRESSURE MONITORING



The CRT 100 TPMS Solar Display is a device that monitors tire pressure in real time. It is suitable for passenger cars that were not originally equipped with a tire pressure monitoring system. It has an intelligent sleep wake-up function that warns in time when abnormalities occur and protects tires at all times.

FEATURES

- Solar and USB dual charging modes.
- Automatically stop charging at 65°C to protect the device.
- Vibrate to wake up, automatically sleep when parking.
- Measurement accuracy as fine as 0.1Bar.
- Applicable to all models with tire pressure values within the range of 6.0Bar.
- Accurately measure tire pressure 24 hours a day without a break.
- Display will show real-time tire data after installation at speeds over 25km/h (15.5mph).
- Use only with Launch TPMS sensors, such as LTR-01, LTR-03, and LTR-V. (*TPMS sensors need to be purchased separately)



SPECIFICATION

INPUT VOLTAGE	2.6V~3.6V
WORKING CURRENT	≤3.5mA
WORKING TEMPERATURE	-20°C~70°C
DIMENSION	115.29*77.2*33.8mm



*Prior to tire installation, the tire pressure sensors must be programmed and activated using Launch TPMS tools (e.g. CRT511, CRT511S, CRT711, etc.)

CRT 100HD TPMS COMMERCIAL VEHICLE DISPLAY



The CRT 100HD is a TPMS Commercial Vehicle Display designed for Heavy-duty vehicles without TPMS-equipped systems. This device offers real-time tire pressure and temperature monitoring, along with visual and audible alerts for tire issues. Its universal design accommodates 4-30 tire commercial vehicles, providing essential functionality for any commercial vehicle owners without being equipped with TPMS systems.



PREVENT BLOWOUTS



REDUCE WEAR



SAVE FUEL



MAINTAIN TIRE PRESSURE

FEATURES

- Adjustable display holder
- Measure Pressure ranging from 0 to 14Bar
- Support internal and external tire pressure sensors
- Suitable for 12 or 24V commercial vehicles
- Real-time monitoring of tire data
- Match with 4-to-30-tire vehicles (e.g. a 10-tire tractor with 20-tire trailer).
- Display will show real-time tire data after installation at speeds over 25km/h (15.5mph)

SPECIFICATION

DISPLAY	8.8"
OPERATING FREQUENCY	433.92±0.02MHz
OPERATING VOLTAGE	9~28V
OPERATING CURRENT	≤50mA(24V power supply)
OPERATING TEMPERATURE	-20~+70°C/-4~+158°F
STORAGE TEMPERATURE	-40~+85°C/-40~+185°F

CRT STS Repeater



CRT TST repeaters work to amplify the sensor signals when length or interference prevents the display from receiving sensor signals. It is ideal for tire monitoring of vehicles with long trailers.

SPECIFICATION

OPERATING VOLTAGE	9~28V
OPERATING CURRENT	≤ 100mA
OPERATING TEMPERATURE	-20~+85°C/-4~+185°F
STORAGE TEMPERATURE	-40~+125°C/-40~+257°F
TRANSMIT CURRENT	≤100mA (RF transmit status test)
TRANSMIT FREQUENCY	433.92MHz ±20KHz
RECEIVE FREQUENCY	433.87MHz ~ 433.97MHz

- | WATERPROOF (IP RATING: IPX7)
- | SMALL & EASY TO INSTALL
- | PROGRAMMED AUTOMATICALLY AFTER CORRECT INSTALLATION

Heavy-duty RF Sensor



LTR-02 HD



LTR-04 HD



LTR-04 HD (INF)



FEATURES

- Compact and easy to install
- High-precision sensor made of pure copper
- Measurement accuracy as fine as 0.2 bar
- Battery life of up to 5 years or 500,000 kilometers
- Waterproof and high temperature resistant
- Sensor installation without removing tires (LTR-04 HD & LTR-04 HD INF)
- Inside Tire mounting prevents theft (LTR-02 HD)

LAUNCH UNIVERSAL TPMS SENSOR



Cover 99% Vehicle
TPMS Application



433MHz



Battery Life
of 3 to 5 Years



0.2 bar Accuracy



High Optimized
RF Antenna

SPECIFICATION

BATTERY LIFE	3-5 years / 500,000 km
OPERATING TEMPERATURE	-40~+105°C/-40~ +221°F
STORAGE TEMPERATURE	-40~+125°C
OPERATING HUMIDITY	≤ 90%
OPERATING FREQUENCY	433.92 ± 0.02MHz
OPERATINGVOLTAGE	2.2~3.3V
PRESSURE RANGE	0~14Bar / 0~203PSI
PRESSURE ACCURACY	±0.2Bar / ±3PSI
TEMPERATURE ACCURACY	±3°C
ACCELERATION (G) SENSOR ACCURACY	±15%

BEST ENTRY-LEVEL
DIAGNOSTIC TOOLS
FOR ANY PROS
& DIYERS



FASTER
SMARTER
POWERFUL

INTELLIGENT

DIAGNOSTICS

Faster / Smarter / Powerful



FEATURES				
1996 and newer - OBDII & CAN	•	•	•	•
Vehicle Coverage	40	40	44	68
OBDII FUNCTION				
Support OBDII Modes	•	•	•	•
READ & ERASE DTCS, VIEW LIVE DATA FOR ADVANCED SYSTEMS				
Engine System	•	•	Full System	Full System
AT	•	•	Full System	Full System
ABS	•	•	Full System	Full System
SRS	•	•	Full System	Full System
SERVICE FUNCTIONS				
Oil Lamp/ SAS/ BMS/ EPB	Oil Lamp/ SAS	•	•	•
DPF Regen		•	•	•
Electric Throttle Relearn	•	•	•	•
TPMS Reset Database		•	•	•
ABS Bleeding		•	•	•
Immobilizer Reset			•	•
Sunroof Reset			•	•
Injector Coding			•	•
Gearbox Relearn			•	•
Adaptive Front Lighting			•	•
Air Level Calibration			•	•
Crank Position Sensor			•	•
Adaptive Learning			•	•
Others			* ①	* ②
OTHER FUNCTIONS				
Multilanguage	11 Languages: English, Spanish, French, German, Italian, Russian, Portuguese, Japanese, Korean, Traditional Chinese, Polish	11 Languages: English, Spanish, French, German, Italian, Russian, Portuguese, Japanese, Korean, Traditional Chinese, Polish	11 Languages: English, Spanish, French, German, Italian, Russian, Portuguese, Japanese, Korean, Traditional Chinese, Polish	11 Languages: English, Spanish, French, German, Italian, Russian, Portuguese, Japanese, Korean, Traditional Chinese, Polish
Print Data Report	Via Wi-Fi	Via Wi-Fi	Via Wi-Fi	Via Wi-Fi
Software Upgrade	Via Wi-Fi	Via Wi-Fi	Via Wi-Fi	Via Wi-Fi
Data Streams Graph Displaying	•	•	•	•
Record & Playback Live Data on Screen	•	•	•	•
DTC Lookup on Screen	•	•	•	•
DTC & Code Definitions on Screen	•	•	•	•
I/M Quick Scan	•	•	•	•
Diagnosis Report Uploading	•	•	•	•
VIN Auto Identification	•	•	•	•
Diagnosis Report Sharing	•	•	•	•
SPECIFICATION				
Display	5" Color Screen	5" Color Screen	7" Color Screen	7" Color Screen
Dimesion (mm)	228*125*34 .5	228*125*34 .5	246*139.5*34	251*148*36
Storage (RAM+ ROM)	2G+16G	2G+16G	2G+16G	3G+32G
Lithium Battery	•	•	•	•

① Others: Adblue Reset, Air/Fuel Reset, AC System Relearn/Initialization, Nox Sensor Reset, Stop/Start Reset, Transport Mode, Coolant Bleed, Windows Calibration, Seat Occupancy Calibration, Tire Reset and Language Change, Engine Power Balance Monitoring, High-Voltage Battery Health Detection.

② Others: Adblue Reset, Air/Fuel Reset, AC System Relearn/Initialization, Nox Sensor Reset, Stop/Start Reset, Transport Mode, Coolant Bleed, Windows Calibration, Seat Occupancy Calibration, Tire Reset, Language Change, GPF Regen, EGR Adaption and Intelligent Cruise Control System, Engine Power Balance Monitoring, High-Voltage Battery Health Detection.

Cread@r Professional 359 / 349

FROM DIYERS TO MASTER TECHNICIANS

CAN FD &
DOIP SUPPORTED



FEATURES

- 7-inch touch screen for smooth operating and data reading.
- Support 9 OBDII / EOBD diagnostic.
- Creader professional 359 support 31 advanced special functions.
- Creader professional 349 support 28 advanced special functions.
- Auto detect VIN to access to vehicle info within seconds.
- Wi-Fi software update and print data via PC.
- One click to generate the diagnostic report and upload timely.
- Creader professional 359 covers 68 OE-level models and makes.
- Creader professional 349 covers 44 OE-level models and makes.
- Creader professional 359 support all system full function.
- Creader professional 349 support all system basic function.
- Multilingual supported.

31 SERVICE FUNCTIONS

Oil Maintenance Reset

Electric Throttle Relearn

Brake Reset

Immobilizer Reset

Battery Matching

Injector Coding

Steering Angle Reset

TPMS Reset Database

ABS Bleeding

Engine Power Balance Monitoring

Crank Position Sensor Adaptive Learning

DPF Regen

Gearbox Relearn

Adaptive Front Lighting

Sunroof Reset

Air Level Calibration

AdBlue Reset

Air | Fuel Reset

Nox Sensor Reset

Stop/Start Reset

AC System Relearn/Initialization

High-Voltage Battery Diagnostics

Transport Mode

Coolant Bleed

Windows Calibration

Seat Occupancy Calibration

Tire Reset

Language Change

Intelligent Cruise Control System

EGR Adaption

Gas Particulate Filter Regeneration

CRP 349 doesn't support these remarked functions.

SPECIFICATION	Cread@r Professional 359	Cread@r Professional 349
OS	Android 10.0	Android 7.0
DISPLAY	7", 1024*600	7" touch screen
RAM	3GB	2GB
STORAGE	32GB	16GB
OBDII INPUT VOLTAGE	9V~18V	9V~18V
DC INPUT VOLTAGE	5V	5V
BATTERY	Lithium Battery	Lithium Battery
INTERFACE	DB15 Wired Diagnostic	DB15 diagnostic interface, The charging interface
WORKING TEMPERATURE	-10℃~50℃	-10℃~50℃
DIMENSION	251*148*36(mm)	246*139.5*34(mm)
NET WEIGHT	<950g	<900g

Creader Elite V2.0

ANDROID-BASED FLEXIBLE CODE READER



CRE 01H

Select 1 from the 54 diagnostic softwares

CRE 03H

Select 3 from the 54 diagnostic softwares

CRE 05H

Select 5 from the 54 diagnostic softwares

Creader Elite V2.0 is a newly released Android-based flexible code reader. It offers full functionality diagnostics for all vehicle systems, making it perfect for DIYers. It provides 3 different configurations (01H, 03H, and 05H) that allow users to select the most suitable diagnostic software and service functions based on their specific needs.

FEATURES

- Each vehicle diagnostic software you choose supports all systems full functionality diagnostics, including read & clear DTC, Bi-directional control, live data graph, coding, service functions, etc.
- Each service function you choose applies to mainstream vehicles on the market.
- Full OBD II functions supported.
- Auto VIN detect function for identifying the vehicle info in seconds.
- External software can be purchased via the MALL.
- Software upgrade via Wi-Fi.
- Automatically generate diagnostic health reports for sharing and analyzing.

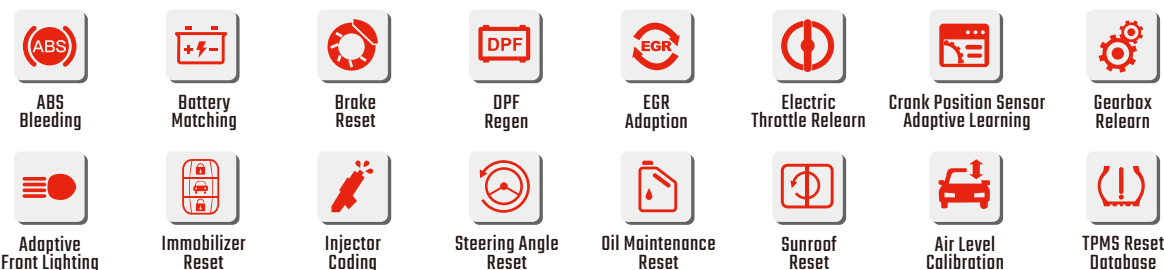
SPECIFICATION

DISPLAY	3.97 inch
INTERFACE	Standard OBDII
OS	Android 8.1
STORAGE	2+16GB
BATTERY	3000mAh
CPU	1.3G
COMMUNICATION/UPGRADE	WIFI 2.4Ghz(b/g/n)
STORAGE TEMPERATURE	-20~70°C
WORKING TEMPERATURE	-10~50°C
PACKAGE SIZE	200*45*193(mm)
WEIGHT	<540G

38 VEHICLE DIAGNOSTIC SOFTWARES

BMW/Mini/BMW Brilliance/Rolls-Royce, Toyota/Lexus/China FAW Toyota, Volkswagen, AUDI, Mercedes-Benz/Maybach, Chrysler/Jeep/Dodge, Citroën, Fiat/Abarth/Lancia/Alfa Romeo/Nanjing Fiat, General/Motors/Buick/Cadillac/Chevrolet, Honda, Hyundai, Smart, Mazda, Mitsubishi, Nissan, Saab, Isuzu, Kia, Subaru, Ford, Mercedes-Benz Vans, Opel, Peugeot, Suzuki, Geely/Lynk & Co, AUSTHOLDEN, Jaguar/Land Rover, Porsche, Renault, SsangYong, Škoda, Daewoo, Harley-Davidson Motor, Yamaha Motor, Honda Motor, Suzuki Motor, BMW Motorrad Motor, Kawasaki Motor.

16 SERVICE FUNCTIONS



Creader Professional 233 / 239

POPULAR DIY TOOLS FOR YEARS



Creader Professional 233



Creader Professional 239

Creader Professional 233 and Creader Professional 239 are advanced tools for the professional tech when it comes to vehicle diagnosis and repair. Both can diagnose and erase trouble codes, view live data for advanced systems like ABS, SRS, transmission and engine for most 1996 and newer vehicles. Multilingual menu supported.

FEATURES

- Compatible with 1996 and newer car, light truck, minivan, SUV or hybrid manufactured vehicles (OBD II & CAN).
- Read and erase DTCs, view live data of Engine system, AT, SRS and ABS.
- Support OBDII 9 test modes.
- One-click software upgrade via Wi-Fi.
- Automatically identify vehicle VINs.
- Upload diagnostic report to the cloud.
- Creader professional 233 added 3 service functions include Oil Maintenance Reset, Electric Throttle Relearn, Steering Angle Reset.

8 SERVICE FUNCTIONS



SPECIFICATION

DISPLAY	5" color screen
INPUT VOLTAGE	9V~18V
INTERFACE	Standard 16PINs OBD II
MEMORY	2G
STORAGE	16G
WEIGHT	<556g
MULTILINGUAL MENU	10
DIMENSION	228*125*34.5(mm)

Creader Professional 233 / 239

Creader OBD

BEST CHOICE FOR ENTRY-LEVEL TECHNICIANS



The newest Creader OBD is an entry-level and plug and play tool that help you detect vehicle's problems in cost effective way.

FEATURES

- Look up the definition of diagnostic trouble codes (DTCs).
- Graph live data of multiple sensors displayed.
- Features freeze frame data to do fast & accurate repairs.
- Features I/M Readiness function with one click key.
- View vehicle information to check VIN and its performance.
- No Batteries Required and powered by OBD II port.

SUPPORT 9 OBD II TEST MODES

Read Codes, Erase Codes, Live Data, On-board Monitor Test, O2 Sensor Test, I/M Readiness, View Freeze Frame, View Vehicle Information, Evap System Test.

SPECIFICATION

DISPLAY	2.8" LCD
INPUT VOLTAGE	9~18V
WORKING TEMPERATURE	-10℃~50℃
STORAGE TEMPERATURE	-20℃~70℃
STORAGE	16M
NET WEIGHT	<360g

Creader Professional 123S HD



Creader Professional 123S HD is an Android-based intelligent diagnostic tool, offering basic functions for all vehicle systems which makes it perfect for DIYers.

FEATURES

- Android-based diagnostic tool for commercial vehicles repairing & diagnostics.
- Wide range OE-Level coverage for Asian, European and U.S. makes and models.
- The basic functions include read & clear DTC, live data graph, vehicle information look up, etc.
- 7 advanced service functions include DPF Regen, Urea Drive (DEF), Oil Maintenance Reset, Injector Coding, Speed Limit Adjustment, Cylinder Deactivation Compression, Clutch Matching.
- Support diagnostic reports review, diagnostic record playback and other auxiliary functions

7 SERVICE FUNCTIONS

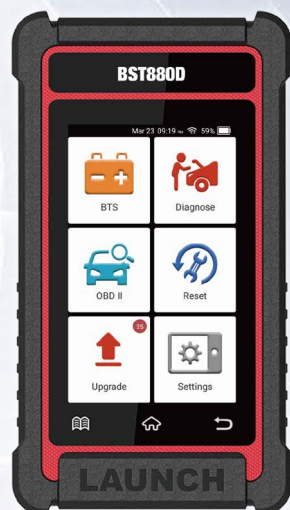
DPF Regen	Urea Drive (DEF)	Oil Maintenance Reset	Injector Coding	Speed Limit Adjustment	Cylinder Deactivation Compression	Clutch Relearn

SPECIFICATION

DISPLAY	3.97inch
INTERFACE	OBDII interface , Type-C interface
OS	Android 8.1
STORAGE	2+16GB
BATTERY	3000mAh
CPU	1.3G
COMMUNICATION/UPGRADE	WIFI 2.4Ghz (b/g/n)
STORAGE TEMPERATURE	-20~ 70 ℃
WORKING TEMPERATURE	-10 ~50 ℃
DIMENSION	212*120*34mm
PACKAGE SIZE	323*254*131mm
WEIGHT	<500G

BST880D

SMART BATTERY TEST TOOL



BST880D is a new product from DIY product line. With Android-based UI, BST880D features 5 battery test modes, including Battery Health State Test, Voltage Test, Ripple Test, Starting System Test and Charging System Test. The battery test voltage ranges from 10V to 16V.

4 SYSTEM SUPPORTED
ENGINE / AT / SRS / ABS

3 BATTERY TYPES
LEAD-ACID / GEL / AGM

10 BATTERY STANDARDS
CCA/BCI/CA/MCA/JIS/DIN/IEC/EN/SAE/GB



BATTERY HEALTH
STATE TEST



VOLTAGE
TEST



RIPPLE
DETECTION



STARTING
SYSTEM TEST



CHARGING
SYSTEM TEST

FEATURES

- Read/clear DTC and live data streaming of Engine, AT, SRS, ABS.
- Automatically identify vehicle VINs.
- Full OBDII functionalities are supported.
- 6 service functions are supported:** Oil Reset, Brake Reset, ABS Bleeding, TPMS Reset, Electronic Throttle Relearn, Battery Reset.
- Diagnostic report review and share are supported.
- One-click software upgrade via Wi-Fi.
- Battery test report review and Wi-Fi print are supported.
- 11 foreign languages are supported: English, Traditional Chinese, Spanish, French, German, Italian, Russian, Portuguese, Japanese, Korean, Polish.
- Lifetime FREE software update through Wi-Fi.

SPECIFICATION

OS	Android 4.0
DISPLAY	4", 480*800
RAM	1GB
STORAGE	16GB
OBDII INPUT VOLTAGE	9V~18V
BATTERY TEST VOLTAGE	10V~16V
WORK TEMPERATURE	0~50°C
DIMENSION	159*88*37(mm)



BST580D

BATTERY TEST & CODE READER TOOL

8 BATTERY STANDARDS
CCA/BCI/CA/JIS/DIN/IEC/EN/SAE

4 BATTERY TYPES
LEAD-ACID / GEL / AGM / EFB

5 TEST FUNCTIONS
BATTERY HEALTH STATE TEST / VOLTAGE TEST / RIPPLE DETECTION /
STARTING SYSTEM TEST / CHARGING SYSTEM TEST

FEATURES

- Full OBDII functionalities are supported.
- I/M Quick Scan via the physical shortcut on the 2.8" screen.
- DTC Lookup & Definition via the physical shortcut on the 2.8" screen.
- Battery test report review is supported.
- 7 foreign languages are supported: English, Spanish, French, German, Russian, Portuguese, Japanese, Polish.
- Data reports are printed via USB cable.
- Lifetime FREE software update.

SPECIFICATION

DISPLAY	2.8", 320*240
RAM	3MB
STORAGE	16MB
BATTERY TEST VOLTAGE	10V~16V
WORK TEMPERATURE	0~50°C
DIMENSION	179*103*30(mm)



GOLO CARCARE PLUS

YOUR ON-THE-GO DIAGNOSTIC TOOL

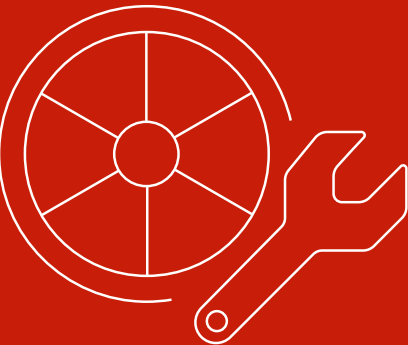


FEATURES

- Tech-to-Tech remote diagnostics is now applicable on golo carcare plus.
- Free to pick 3 vehicle diagnostic softwares and 2 service functions include oil maintenance reset and brake reset.
- Professional vehicle full system diagnosis and basic diagnosis functionality.
- Support 9 OBDII modes for 2008 and newer cars.
- Real-time car healthy status in hand.
- One-click DTC erasing empowers users to fix the simple problems by themselves.

SPECIFICATION

IP LEVEL	IP4X
BLUETOOTH COMMUNICATION	Bluetooth 5.0
WORKING TEMPERATURE	-10°C~50°C
STORAGE TEMPERATURE	-20°C~60°C
INPUT VOLTAGE	12V
WORKING CURRENT	≤50mA
CERTIFICATION	CE, RoHS, FCC, CP65, BQB
DIMENSION	50*45*23(mm)



EVERYTHING IS ABOUT THE SPEED & ACCURACY

AUTOMATIC
ACCURACY
FULLY INTEGRATED

TWC SERIES WHEEL EQUIPMENT



TWC-321



TWC-421



TWC-521



TWC-621

SPECIFICATION

OUTSIDE CLAMPING RANGE	11~17"	9~22"	9~24"	9~24"
INSIDE CLAMPING RANGE	11~19"	12~14"	12~16"	12~26"
MAX. RIM DIAMETER	11~16"	9~22"	11~22"	9~24"
MAX WHEEL DIAMETER	900mm	1050mm	1050mm	1050mm
MAX WHEEL WIDTH	3~12"	4~13"	4~15"	335mm(13")
REVOLUTION	6.8RPM	6.8/6.8~13.6RPM	6.8/6.8~13.6RPM	6.8/6.8~13.6RPM
WORKING PRESSURE	0.8~1MPA	0.8~1MPA	0.8~1MPA	0.8~1MPA
VOLTAGE	110V/220V	110V/220V/380V	110V/220V/380V	220V
PACKAGE SIZE	1030*880*980(mm)	1150*950*980(mm)	1150*950*980(mm)	1150*1000*1810(mm)
G.W / N.W	223/193kg	260/210kg	292/252kg	419/352kg
40 HQ CONTAINER(SETS)	52	48	48	22

OTHERS

SWING ARM TYPE	SWING	SWING	TITL	TITL
AUXILIARY ARM ASSIST	—	○	○	●
PNEUMATIC WHEEL LIFT	○	○	○	○
TRUCK	—	—	—	—
ADJUSTABLE WORKING HEAD	STANDARD WORKING HEAD	STANDARD WORKING HEAD	STANDARD WORKING HEAD	BQC WORKING HEAD
OPERATIONS TABLE	—	—	—	—
AUTOMATIC OPERATION	—	—	●	●
FOOT PEDAL	5	5	4	4



KWB-421



KWB-521



KWB-621

KWB SERIES WHEEL EQUIPMENT

PARAMETERS

BALANCE CYCLE	7s	7s	10s
RIM DIAMETER	12"~24"	12"~24"	12"~24"
MAX. WHEEL DIAMETER	650mm	800mm	800mm
MAX. RIM WIDTH	1.5"~18"	1.5"~20"	1.5"~22"
REVOLUTION	260RPM	260RPM	180RPM
MOTOR	NORMAL	NORMAL	LOW SPEED
WORKING PRESSURE	—	—	—
MAIN SHAFT DIAMETER	40mm	40mm	40mm
VOLTAGE	110V/220V/380V	110V/220V/380V	220V
PACKAGE SIZE	850*750*1270(mm)	850*750*1270(mm)	950*750*1160(mm)
MAX. WHEEL WEIGHT	65kg	65kg	65kg
40 HQ CONTAINER(SETS)	78	56	72

FUNCTIONS

SCREEN	—	●	●
LASER POSITIONING	—	●	●
TRUCK	—	—	—
OPT/HID	—	●	●
DYN	●	●	●
SONAR TECHNOLOGY	—	—	●
PNEUMATIC WHEEL LIFT	○	○	○
AUTOMATIC MEASURE	—	●	●
LIFT PEDAL	—	—	—

NOTE: ● STANDARD ○ OPTIONAL — UNSUPPORTED

TWC-621

AUTOMOBILE TIRE CHANGER



LAUNCH new tire changer TWC-621 with brand-new ergonomic design, is specially designed for intensive use. Featuring adjustable claw, it works easily on any tire up to a maximum width of 13", helps technicians rapidly dismount and mount tires from automobile wheels.

Adjustable Claw

Adjustable Mounting Head

Right Assist Arm

FEATURES

- Compatible with tires up to 13 inches.
- Adjustable and disassemble power assist arm.
- Right Auxiliary arm assist 5A.(optional)
- Self-centering four-jaw turntable, with adjustable claw.
- Capable of mounting / demounting the run-flat tire in the market.
- Change flat tire without hurting the rims and tires.
- Brand-new ergonomic design.

SPECIFICATION

VOLTAGE	220V	MAX WHEEL WIDTH	13"(335mm)
MAX WHEEL DIAMETER	1050mm	40 HQ CONTAINER	22 sets
WORKING PRESSURE	0.8~1MPa	REVOLUTION	6.8/6.8~13.6rpm
PACKAGE SIZE	1150*1000*1810(mm)	G.W/N.W	419/352kg
MAX.RIM DIAMETER	9~24"		

TWC-521

AUTOMATIC TIRE CHANGER



TWC-521 provides high performance servicing of automobile and a long service life, helps technicians, dismount and mount tires with automobile wheels rapidly. It is suitable for various types of tires, like Run flat and low-profile types.

Automobile

Automatic

Tilt Swing Arm

FEATURES

- Right auxiliary arm assist 5A(Optional).
- Tilt swing arm are free to move.
- Update horizontal column with a fully mechanical design.
- Bead breaker cylinder with tower spring.
- Self-centering working table.
- All newly design made improvement.
- Launch comprehensive after-service network.

SPECIFICATION

VOLTAGE	110V/220V/380V	MAX.RIM DIAMETER	11~22"
MAX WHEEL DIAMETER	1050mm	MAX WHEEL WIDTH	4~15"
WORKING PRESSURE	0.8~1MPa	40 HQ CONTAINER	48 sets
PACKAGE SIZE	1050*950*980(mm)	REVOLUTION	6.8/6.8~13.6 rpm
		G.W/N.W	292/252kg

TWC-421

SEMI-AUTOMATIC TIRE CHANGER



Working with swing arm, TWC- 421 is perfect for automobile tire change. It can complete all works of tire change and cost-effective within your budget.

Automobile

Semi-Automatic

Swing Arm

FEATURES

- Right auxiliary arm assist 4A(Optional).
- Self-centering working table.
- Bead breaking arm and mounting head.
- All newly design made improvement.
- Easy to work with swing arm and foot pedal assist.
- LAUNCH comprehensive after-service network.

SPECIFICATION

VOLTAGE	110V/220V/380V	40 HQ CONTAINER	48 sets
MAX WHEEL DIAMETER	1050mm	REVOLUTION	6.8/6.8~13.6rpm
WORKING PRESSURE	0.8~1MPa	PACKAGE SIZE	1150*950*980(mm)
MAX.RIM DIAMETER	9~13"	G.W/N.W	260/210kg
MAX WHEEL WIDTH	4~13"		

TWC-321

SEMI-AUTOMATIC TIRE CHANGER



TWC-321 is a basic semi-automatic tire changer with enhanced tower and swim arm which suitable for 11" to 16" automobile rim. It can efficiently complete the whole process of assembling and disassembling of the tire.

Automobile

Semi-automatic

Swing Arm

FEATURES

- Semi-automatic tire changer suitable for 11"to 16" rim.
- Change the 16" rim without assistant from other device.
- Protect the rim with plastic protector kits on both tool head and jaw clamps.
- Easy to work with swing arm and foot pedal assist.
- Aluminum alloy air valve and stainless air valve shaft to ensure the durable usage.
- LAUNCH comprehensive after-service network.

SPECIFICATION

VOLTAGE	110V/220V	MAX WHEEL WIDTH	3~12"
MAX WHEEL DIAMETER	900mm	40 HQ CONTAINER	52 sets
WORKING PRESSURE	0.8~1MPa	REVOLUTION	6.8 rpm
PACKAGE SIZE	1030*880*980(mm)	G.W/N.W	233/193kg
MAX.RIM DIAMETER	11~16"		

KWB-621

AUTOMATIC POSITIONING WHEEL BALANCER



Fresh launched highly accurate KWB-621 Wheel Balancer obtains precise data automatically with the sonar technology. Laser line clearly indicates the unbalance point on both inboard and outboard of the rim. Wheels that are laser-balanced drive like new!

Brand-new Engonomic Design

New Sonar Technology

High Precision

FEATURES

- New sonar technology obtains the data automatically to improve the precision and reduce mea surement time.
- Wheel width measurement by Smart Sonar provides an immediate and precise reading without the need for the operator to do anything.
- Automatic measure three parameters distance ("a"value), rim diameter ("d" value) and rim width.
- Low-RPM balancing speed ensure quiet operation and high precision.
- Laser positioning of adhesive weights. After a quick positioning, an electromagnetic brake automatically locks the wheel and the gauge into the proper position for installing the weight.
- Fully automatic positioning at the unbalance point on both inside and outside of the rim with laser indication.
- Perfect for Service Stations, Garages, Tyre Shops and Car Dealerships.

SPECIFICATION

VOLTAGE	220V
RIM DIAMETER	12~24"
MAX RIM WIDTH	1.5~22"
REVOLUTION	180rpm
40 HQ CONTAINER	72 sets
MAIN SHAFT DIAMETER	40mm
MAX WHEEL DIAMETER	800mm
BALANCE CYCLE	10s
MAX WHEEL WEIGHT	65kg
PACKAGE SIZE	950*750*1160(mm)

KWB-521

AUTOMATIC WHEEL BALANCER

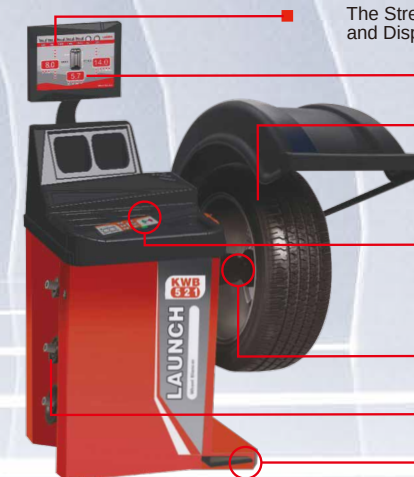
Passenger Car

Automatic

New Modern Design

DYN/STA/ALU1/ALU2/ALUS/OPT/HID

The Streamlined Design Plastic Parts Applies the Injection Molding Process and Display Panel High-end Glass , the Data More Intuitive



Support One-button Detection Mode

Automatic Brake Positioning / Laser Positioning



Quick ALUS Balance Mode to Switch its Modes Rapidly

High Stability and Sensitivity 1g Balance is Available

Spindle with High Strength Improves the Precision of Secondary Disassembly

The Steel Casting of Cone is Durable and of High Strength

Foot Brake Pedal

KWB-421

ECONOMICAL WHEEL BALANCER

Passenger Car

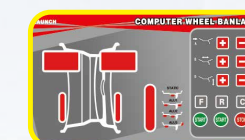
Economy

New Modern Design

Quickly Measures Distance and Diameter ("A" Value/"d" Value)

Manual Input Parameters

Quick ALUS Balance Mode to Switch its Modes Rapidly



High Stability and Sensitivity 1g Balance is Available

Wheel Guard Give the Tire and Wheel Better Protection

Spindle with High Strength Improves the Precision of Secondary Disassembly

The Steel Casting of Cone is Durable and of High Strength

Foot Brake Pedal

SPECIFICATION

VOLTAGE	110V/220V/380V
RIM DIAMETER	12~24"
MAX.WHEEL WEIGHT	65kg
BALANCE CYCLE	7s
REVOLUTION	260rpm

KWB-521

KWB-421

MAX WHEEL DIAMETER	800mm	650mm
MAX RIM WIDTH	1.5~20"	1.5~18"
PACKAGE SIZE	850*850*1270(mm)	850*750*1270(mm)

OPTIONAL ACCESSORIES LIST

TWC&KWB SERIES

LAUNCH

Wheel Equipment

CLASS	NAME	APPLICABLEMODELS	ERP CODE	PHOTO
Tire Changer Optional Accessories	Motorcyle Clamp CMJ(620)-01-00(D)	TWC-621 TWC-521 TWC-421 TWC-321	307170170	
	Bead blaster(HL-08L)	TWC-821 TWC-621 TWC-521 TWC-421 TWC-321	307170282	
	Tire lifting device for type changer(G20)	TWC-821 TWC-621 TWC-521 TWC-421 TWC-321	307170284	
	Adjustable Head	TWC-521	307070030	
Wheel Balancer Optional Accessories	Adapter	KWB-821	307170260	
	Anti-skid motorcycle clamp	KWB-621 KWB-521 KWB-421	307170261	
	Motorcycle Clamp	KWB-621 KWB-521 KWB-421	307170273	
	Universal Clamp	KWB-621 KWB-521 KWB-421	307170262	
	Tire lifting device for wheel balancer(QN-00)	KWB-621 KWB-521 KWB-421	307170263	

DETECT
THE PRECISE
DETAILS
OF THE VEHICLES



ULTRA-THIN
ACCURATE INSIDE VIEWING
EASY-TO-USE



VSP-828

PORTABLE VIDEOSCOPE

The VSP-828 videoscope is designed for accessing narrow, curved spaces like evaporation boxes, combustion chambers, and three-way catalytic sensors. Three versions with varying lens tubes are available for your choice.

FEATURES

- Three lens versions for choice
- 4GB built-in storage on mainboard
- Support for external TF cards up to 32GB
- Picture taking & audio/video recording supported
- Flashlight assist function
- 3 times magnification can be achieved
- 4-gear LED light for adjustment
- Rotate static image in 4 directions
- Switch the image between black-and-white and color
- High temperature alarm function



Rotating Lens Version
(180 degree rotation in two directions)



Dual-Lens Version
(Switch between front and side)



Standard Version
(Single direction)

SPECIFICATION

LENS	IMAGE SENSOR	1/9" CMOS720PHD
	FRAME RATE	30
	DIAMETER	5.5mm (5.5mm single lens tube/dual lens tube/rotating lens tube available)
	IMAGING FOCAL LENGTH	>5.5mm
	BEST IMAGING DISTANCE	3-8cm
	TUBE LENGTH	1m (3m or 5m can be customized)

DISPLAY SCREEN	TFT display screen
DISPLAY PIXELS	1280*720
POWER SUPPLY	Built-in 18650 Lithium battery, 3.7V
TF CARD STORAGE	32GB(Optional)



VSP-600

SCANNER COMPATIBLE VIDEOSCOPE

VSP-600 helps technicians to check issues on the unreachable areas in a vehicle. With 6 levels light strength, technicians can easily adjust the brightness according to the environment. It works with LAUNCH X-431 scanners or any Android device.

FEATURES

- View, record and save images and videos.
- Take images easily with the one-click snapshot button.
- Easy to adjust the strength of light(6 levels).
- View & save images/ videos on a Launch X- 431 scanner.
- Vehicle systems include engine, gears, compressors, headers and valves, body components, etc.
- Thin 5.5 mm diameter of the LEN O.D. that can reach most inner structure of the vehicles.
- Without extensive disassembly of the components.
- The cable length is 2M enough to better help examine the potential damage inside of the vehicles

SPECIFICATION

LEN O.D.	5.5mm
TUBE O.D.	4.8mm
TUBE LENGTH	800mm
SENSOR SIZE	1/9"
RESOLUTION	1280*720
OPERATING TEMPERATURE	0°C~65°C
POWER SUPPLY	5V
USB PORT	USB2.0/Type C/Micro USB



VSP-800

VIEW & RECORD & SAVE

VSP-800 is the perfect inspection tool for viewing and capturing hollow spaces and hard-to-reach areas in all types of vehicles. With a megapixel lens, 2.7-inch TFT display, it allows you to inspect the internal components of the vehicles.

FEATURES

- View, record and save images and videos.
- IP67 waterproof camera head with adjustable intensity LED lights.
- The pre-inspect and after-inspect process to get the work done.
- Vehicle systems include engine, gears, compressors, headers and valves, body components, etc.
- Thin 5.5 mm diameter of the LEN O.D. that can reach most inner structure of the vehicles.
- Without extensive disassembly of the components.

SPECIFICATION

LEN O.D	5.5mm
DISPLAY	2.7" TFT
TURE LENGTH	1000mm
RESOLUTION	1280*720

OPERATING TEMPRATURE	-20°C~60°C(-4~140°F)
POWER SUPPLY	4*1.5V(AA)Battery
ROM	8M



VSP-808

VIEW & RECORD & SAVE

VSP-808 is a non-destructive inspection tool for viewing and capturing hard-to-reach areas to diagnose the internal part of the vehicle system. It has the function to record the images and videos for the technicians to review.

FEATURES

- Built-in memory can save 30 pictures.
- Featuring a 5.5mm diameter precise probe and 4.8mm coil.
- Megapixel HD camera and 6 adjustable LED lights ensure high-quality picture.
- The fixed shape of lens tube at a length of 1M, abrasion resistant and folding resistant.
- Probe and lens tube waterproof at IP67.
- Improve work efficiency without extensive disassembly of the components.
- Intuitive and accurate detection of the damage of internal components.

SPECIFICATION

LEN O.D	5.5mm
DISPLAY	4.3" TFT
TURE LENGTH	1000mm
RESOLUTION	1280*720
OPERATING TEMPRATURE	-20°C~60°C(-4~140°F)
ROM	8M

SLD-501/502

SMOKE DIAGNOSTIC LAEK DETECTOR



SLD-501(Turbo)



SLD-502(EVAP)

The Smoke Diagnostic Leak Detector of SLD-501/502 can help technicians to pinpoint potential vehicle problems. Equipped with pressure gauge and flow adjustable meter, SLD- 501/502 ensures a quick diagnosis of leak status. SLD501 supports turbo engine and SLD502 supports evaporation engine.

FEATURES

- Reduce labor cost and increase income per service.
- Detachable smoke hose and power cords.
- Smart 5 minutes working cycle controller with a single control button.
- Fit most intakes/exhausts with the universal Adaptor Cone.
- Equipped with pressure gauge and flow adjustable meter to ensure a quick diagnosis of leak status.
- Inbuilt air compressor with big air flow rate up to 10L/M(Turbo & EVAP model)
- Support UV leak detection method to find leak sized less than 0.2 mm.
- EVAP model fits all passenger car system except Turbo Charger.
- Turbo model fits all car system except EVAP system.

SPECIFICATION

ITEM	EVAP	TURBO
OUTPUT PRESSURE	0.5Psi	14~16Psi
FLOW RATE	<12L/M	
POWER SUPPLY	12V Fully Charged Vehivle Battery	
PRESSURE SUPPLY	Inbuilt Air Compressor	
JUICE LOAD	30ml	
MAIN UNIT DIMENSION	290*185*210(mm)	
GROSS WEIGHT	5.6kg	
PACKAGE SIZE	330*330*250(mm)	

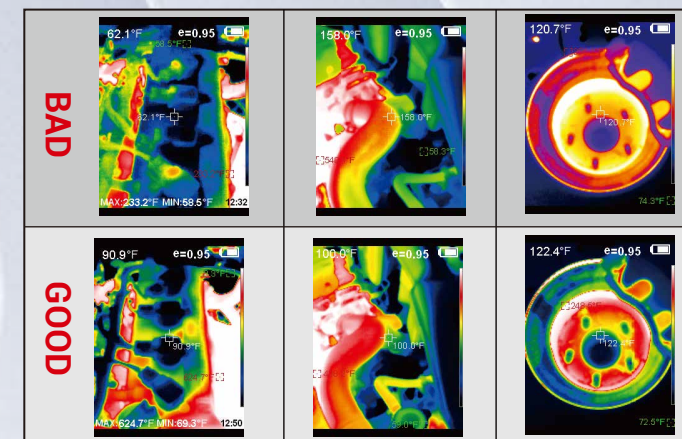
ACCESSORIES

ITEM	EVAP	TURBO
ACCESSORY CASE	●	●
SMOKE HOSE	●	●
POWER CORDS	●	●
UNIVERSAL INTAKE BLADDER(CAR)	○	●
EVAPP TEST KIT	●	×
ADAPTER CONE	●	○
PRESSURE GAUGE & FLOW METER	●	●
BLOCK-OFF CAP SET	●	●
SMOKE JUICE	○	○
UV DETECTION KIT	○	○

● Inclusive × Not Applicable ○ Optional

TIT-202 PRO

THERMAL IMAGING CAMERA



Built-in database, assist to analyse the problems of vehicle efficiently and effectively. Visually show good or bad status of the vehicle.

Using the advanced infrared technology, TIT-202 PRO can convert the radiation information into image, and clearly displays on the color screen. It reflects the slight defect as small temperature difference while the diagnostic device cannot detect them.

FEATURES

- Can be used at any area of a vehicle to easily capture the IR image and detect the hard-to-reach areas.
- Detect the problems of the vehicle efficiently and effectively, cover engine fault, body air tightness, exhaust pipe, brake system, body heating, bearing system, electrical device and more.
- Extensive high resolution images storage up to 20,000.
- Comprehensive database of automotive applications, cover the info of good situation, bad situation and also diagnostic tips for the technicians.
- More and more repair shops actively to take advantage of the thermal imaging technology in the daily diagnosis.

SPECIFICATION

DISPLAY	3.5" 240*320
IMAGE STORAGE FORMAT	JPG
STORAGE	Up To 20,000 pictures
COLOR PALETTE	Rainbow, iron red, cool color, black and white, white and black
VISIBLE LIGHT CAMERA	300,000 pixels
INFRARED IMAGE RESOLUTION	256*192
USB INTERFACE	Micro USB2.0
TEMPERATURE MEASUREMENT RANGE	-20~550°C(-4~1022°F)
DIMENSION	224*75*102(mm)
WEIGHT	350g
FRAME RATE OF THERMAL IMAGES	≤25H
LANGUAGE	English, Chinese, Italian, German, Spanish, Frenchz



BST-860S

BST-860S BATTERY TESTER

The LAUNCH plug-to-play battery tester BST-860S is designed for many battery-powered vehicles such as cars, boats, motorcycles and more. It can quickly detect complete battery system and generate & print the health report within 3 seconds.

FEATURES

- International measurement standards supported include CCA, BCI, CA, MCA, JIS, DIN, IEC, EN, SAE, GB.
- 6 battery & electrical test functions supported include Ripple Detection, Battery Test, Electric Current Test, Starter Test, Charging System Test and Voltage Test.
- Generate the health report within 3 seconds and intuitively display all data on the color screen.
- The reports to be printed anytime by built-in thermal printer or scan QR to view on the mobile phone.
- Available to the batch inspection of battery by testing continuously and repeatedly.
- Applicable vehicles include car, motorcycles, lawn mowers and other gardening machines, Group 31, commercial vehicles 4D/8D.
- Applicable battery types include 12V(Regular Flooded, Gel battery, AGM battery, EFB battery, lithium battery).
- Applicable 12V /24V vehicle' s Starter Test and Charging System Test.
- Safety always comes first. No heating, no discharge, no spark and no operating risks.
- Multi-language supported.



BST-560S

BST-560S BATTERY TESTER

The LAUNCH plug-to-play battery tester BST-560S is designed for many battery powered vehicles such as cars, boats, motorcycles more. It's a compact handheld design with LCD display.

FEATURES

- International measurement standards supported include CCA, BCI, CA, MCA, JIS, DIN, IEC, EN, SAE, GB.
- 6 battery & electrical test functions supported include Ripple Detection, Battery Test, Electric Current Test, Starter Test, Charging System Test and Voltage Test.
- Generate the health report within 3 seconds and intuitively display all data on the color screen.
- Added QR scan function to review the report on the mobile phone.
- Available to the batch inspection of battery by testing continuously and repeatedly.
- Applicable vehicles include car, motorcycles, lawn mowers and other gardening machines, Group 31, commercial vehicles 4D/8D.
- Applicable battery types include 12V(Regular Flooded, Gel battery, AGM battery, EFB battery, lithium battery).
- Applicable 12V vehicle's Starter Test and Rectifier Diode Test.
- Safety always comes first. No heating, no discharge, no spark and no operating risks.
- Multi-language supported.

SPECIFICATION (BST-860S/BST-560S)

DISPLAY	2.4" TFT LCD display with backlight
WORKING TEMPERATURE	-18~60℃
TEST CABLE	25.98" irreplaceable test cable

CASE MATERIAL	ABS acid-proof plastic, industrial case design	
	BST-560S	BST-860S
DIMENSION	155*85*32(mm)	195*100*40(mm)
WEIGHT	315g	462g

BST 360

BST 360 BATTERY TESTER



BST 360 is suitable for technicians and on the go consumers. It's safe to use with its anti-heat characteristics and prevention against backfire electrical sparks that can occur during electrical system diagnosis.

FEATURES

- International measurement standards supported include CCA, BCI, CA, MCA, JIS, DIN, IEC, EN, SAE, GB.
- Variety battery & electrical test functions supported include Ripple Detection, Battery Test, Electric Current Test, Starter Test, Charging System Test and Voltage Test.
- Real-time monitor the battery health status included.
- Generate the health report within 3 seconds and intuitively display all data on the color screen.
- Starting and charging system analysis to determine related faults / issues.
- Portable and lightweight with compact and practical usability.
- Applicable battery types include 12V(Lead-acid battery, Gel battery and AGM battery).
- Safety always comes first. No heating, no discharge, no spark and no operating risks.
- Work with the Launch X- 431 scan tools.

COMPARASION CHART

	BST-860S	BST-560S	BST 360
DISPLAY SDREEN	2.4" TFT LCD with backlight	2.4" TFT LCD with backlight	N/A
BATTERY STANDARD	CCA,BCI,CA,MCA,JIS,DIN,IEC,EN,SAE,GB		
BATTERY TYPE	Lead-acid battery, Gel battery, AGM battery, EFB battery and lithium battery		Lead-acid battery, Gel battery and AGM battery
BATTERY RANGE	12V,24V	12V,24V	12V
PRINT	Yes	Yes	Yes
WORK MODE	Standalone	Standalone	With Diagnostic Tool
WEIGHT	462g	315g	250g

MTM-100

MULTI-FUNCTIONAL AUTOMOBILE MULTIMETER



MTM-100 is a highly reliable and safe True RMS automotive multimeter. The meter adopts high resolution A/D converter and microcontroller data processing technology, with large digital display, full range overload protection and unique appearance design, making it a efficient and safe tool for vehicle maintenance and repairing. It can be used to measure: **AC/DC current and voltage, Resistance, Capacitance, Diode/Transistor, Circuit On/Off, Temperature/Frequency, Dwell angle 1-8CYL, RPM 2STR/4STR, Pulse width and 12V battery test, VFC Low-pass filtering, Maximum and minimum value/relative value etc.**



ENGINE RPM



DWELL ANGLE



PULSE WIDTH



LOW-PASS
FILTERING (VFV)



TEMPERATURE
MEASUREMENT



12V BATTERY TEST

MTM-100 TRUE RMS MULTIMETERS
ADVANCED VEHICLE TROUBLESHOOTING

6000 COUNTS DISPLAY
PULSE WIDTH AND 12V BATTERY TEST

SPECIFICATION

DC VOLTAGE	600mV/6V/60V/600V/1000V $\pm(0.5\%+3)$
AC VOLTAGE	6V/60V/600V/1000V $\pm(0.8\%+3)$
AC CURRENT	6mA/60mA/600mA/10A (20A for 10s max) $\pm(1.0\%+8)$
DC CURRENT	6mA/60mA/600mA/10A (20A for 10s max) $\pm(0.8\%+8)$
RESISTANCE	600 Ω /6K Ω /60K Ω /600K Ω /6M Ω /60M Ω $\pm(0.8\%+3)$
CAPACITANCE	6nF/60nF/600nF/6uF/60uF/600uF/6mF/60mF/100mF $\pm(3\%+10)$
FREQUENCY	10Hz~10MHz $\pm(0.1\%+5)$
PULSE WIDTH 999.9ms	$\pm(1.5\%+10)$
DISPLAY COUNT	6000
POWER	AAA 1.5V *2

ESP-160

Jump Starter



The ESP-160 is a portable jump starter with integrated power supply and charging functions, it can assist in starting a vehicle when its battery goes flat. Additionally, it can be used to charge digital devices like smartphones and tablets.

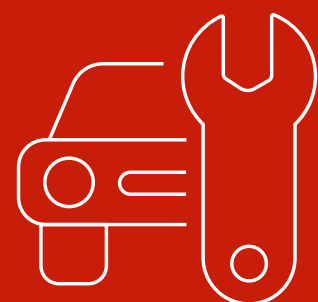
FEATURES

- Portable jump starter serves as a power supply for 12V vehicles.
- Function as a power bank for LAUNCH diagnostic tools or digital devices.
- Built-in screen and LED flashlight.
- Press and hold the power button for 3 seconds to turn on the LED light, then press briefly for SOS mode.

SPECIFICATION

CAPACITY	16000mAh
INPUT	5V-2A, 9V-2A
VEHICLE START OUTPUT	12V
USB OUTPUT	5V-2A, 9V-2A
WORKING TEMPERATURE	-20°C~60°C
CERTIFICATION	UN38.3, CE, RoHS
WEIGHT	651g

KEEP
YOUR VEHICLE
IN GOOD SHAPE
& RUN SMOOTHLY



ULTRA-THIN
REGULAR MAINTENANCE
LONGER AUTO LIFESPAN

LAC Series Air Compressor

ULTRA QUIET, OIL-FREE, PISTON TYPE



LAC-387 220V



LAC-387 380V

	LAC-387 220V	LAC-387 380V
FUNCTIONS COMPARISON SHEET		
Oil-free, piston type and no air pollution.	●	●
Maintenance-free and low noise (1 meter away < 70dB).	●	●
Intelligent start-stop switch, self-start when less than 0.6MPa, self-stop when reaching 0.8MPa.	●	●
The durable motor uses all-copper wire, cold-rolled sand steel sheet and high-quality aluminum.	●	●
Double heat vent and automatic overheating protection keep its operating temperature ranges from 75°C to 85 °C.	●	●
Solenoid valve has overpressure protection.	●	●
The starting voltage is as low as 185V, comparing to other brands above 200V voltage.	●	—
Intelligent multi-head control switch, controlling the control box and starting motor separately.	●	●
Double suction and double row structure, the loading speed is greatly improved.	●	●
SPECIFICATION		
Volume flow rate (L/Min)	560	560
Working pressure(Bar)	8	8
Input power(W)	1680*4	1680*4
Resolution(R.P.M)	1400	1400
Capacity(L)	220	220
Voltage(V)	220	380

● Inclusive — Not Support

TOC-317

AUTOMOTIVE ENGINE OIL CHANGER



The TOC-317 is an Automotive Engine Oil Changer from LAUNCH, it is used to extract and collect engine waste oil in the process of car maintenance and service.

FEATURES

- Extract the engine waste oil without lifting the car.
- Using the principle of compressed air and a specially designed vacuum generator for the oil pumped process.
- Disassemble the oil sump drain screw without the lifting machine.
- Equipped with specially designed vacuum generator.

SPECIFICATION

WORKING PRESSURE	8~10bar
VACUUM DEGREE	0~negative 0.1Mpa
SAFETY VALVE VALUE	3.5bar
MEASURING CUPVOLUME	10L
OIL STORAGE TANK VOLUME	72L
DISCHARGE INLET PRESSURE	1bar
NET WEIGHT	34kg

PFP-150

PROGRAMMING FLASH POWER WITH 4 CHARGING MODES



LAUNCH PFP-150 Programming Flash Power is a must tool for vehicle diagnosis. It can prevent failure and abnormal during the process of programming due to low voltage. The applied synchronous rectification improves the efficiency of rectification.

FEATURES

- **6 Protection Modes:** Reverse Protection, Short Circuit Protection, Low Voltage Protection, Overheat Protection, Overcharge Protection, Synchronous Rectification (220V/240V).
- **Normal Mode:** Select the charging mode according to the position of vehicle battery(inside or outside).
- **Exhibit Mode:** For continual charge with low current in showrooms.
- **Programming Mode:** Provide a stable voltage source for the car in need of programming or decoding, ranging from 12V to 16V.
- **Hidden Repair Mode:** Indicate whether the battery should be repaired or not. Work with various batteries, such AGM Battery, GEL Battery, Lithium Battery.

SPECIFICATION

INPUT VOLTAGE	110V/220V
POWER	1800W
MAX.CURRENT	150A
CHARGING VOLTAGE	12V
PROGRAMMING MODE	12~14.8V/2~150A
MAH	10~1800Ah
DIMENSION	440*410*140(mm)
ELECTRIC CABLE LENGTH	3m
WEIGHT	9Kg

TRANSMISSION JACK

TRANSMISSION JACK HT106



- Small clearance between piston rod and saddle, minimized shaking of piston rod at the highest position.
- Automatic recover function of oil return valve.
- With a four-jaw saddle structure.
- Equipped with moving handle.



- Foot-operated pump for flexibility and convenience.
- Piston rod is chrome plated for better wear resistance.
- Withstand 1.5 times load.

TRANSMISSION JACK HT105



- The saddle adopts double sealing to prevent oil leakage.
- Oil return valve self-reverting function, aluminum return valve handle, easy to knob.
- Equipped with moving handle.



- Adopting corner seal, more reliable sealing performance.
- The pump body is coated with thread glue to prevent oil leakage from the pump body from loosening.



- Simple structure, easy to use, stable lifting, less shaking.
- Foot-operated pumps, space-saving, large packing capacity.



TRANSMISSION JACK HT110



- Freely adjustable from front to back, left to right to suit different working environment.



- Double section for objects lifting, can be used in wider range.
- Foot-operated oil pumping and return mechanism, easy to operate.



- Piston rod and piston cylinder are chrome plated for better wear resistance.
- Add 4 fixed rods to make the overall strength and stability better.

SPECIFICATION

	HT106	HT105	HT110
RATED LOAD	0.6T	0.5T	1T
MINIMUM HEIGHT	1135mm	1140mm	880mm
MAXIMUM HEIGHT	1980mm	1950mm	1840mm
NET WEIGHT/GROSS WEIGHT	34kg/37kg	24kg/28.5kg	81kg/90kg
PACKING SIZE	1145*340*250mm	1080*280*145mm	590*360*855mm

FOLDABLE ENGINE CRANE SC220



NEW



WELDING CYLINDERS TO AVOID OIL LEAKAGE
SIMPLIFY THE REPAIR AND MAINTENANCE WORK
FOLDABLE FOR CONVENIENT STORAGE

SPECIFICATION

RATED LOAD	2T
MINIMUM HEIGHT	25mm
MAXIMUM HEIGHT	2140mm
NET WEIGHT/GROSS WEIGHT	88.94kg/93.06kg
PACKING SIZE	Package 1: 780×540×90mm Package 2: 1580×315×180mm

SHOP PRESS SP330/430



NEW

SHOP PRESS SP430

SHOP PRESS SP330



- Strengthened and thickened Welded Structure Racks
- Stable body design guarantees shake-free operation
- High accuracy, stable and reliable pressure gauge



- Moveable work head with bearing structure, lightweight and easy to use



- Welded pumping station, eliminating the risk of oil leaks due to improper assembly, and the life time increases from 1000 to 3000 times.



- Adjustable working table for different working environment

SPECIFICATION

	SP330	SP430
RATED LOAD	30T	30T
MINIMUM HEIGHT	150mm	150mm
WORKING HEIGHT	0-970mm	0-940mm
NET WEIGHT GROSS WEIGHT	150kg/163kg	123kg/150kg
PACKING SIZE	1620*380*310mm	1690*700*280mm

JACK STAND JS130/160



NEW

JACK STAND JS130

JACK STAND JS160



- Tabbed rack, lower position with better performance.
- The base splice is fully welded on the outside and 1/3 welded on the inside. Weld strength is stronger than single-sided welding.
- High safety and reliability.

SPECIFICATION

	JS130	JS160
RATED LOAD	3T	6T
MINIMUM HEIGHT	285mm	393mm
MAXIMUM HEIGHT	425mm	593mm
NET WEIGHT GROSS WEIGHT	6.3kg/6.78kg	13kg/13.8kg
PACKING SIZE	216*190*355mmi	305*255*460mm

PLASTIC CREEPER CR101



NEW



- Headrest PU material, comfortable leather surface to protect the back of the head.
- Storage compartments to store common tools, making it more convenient to repair the car.
- High-strength plastic for robustness, lightweight and easy to carry and store.
- Ergonomic design for comfortable car repair posture, making repairs more effortless.
- Universal casters for more flexible movement.

SPECIFICATION

SIZE	40"
RATED LOAD	113KGS
NET WEIGHT/GROSS WEIGHT	13kg/13.8kg

X-431 ADAS MOBILE

MAKE SMART ADAS CALIBRATION EVEN SMARTER

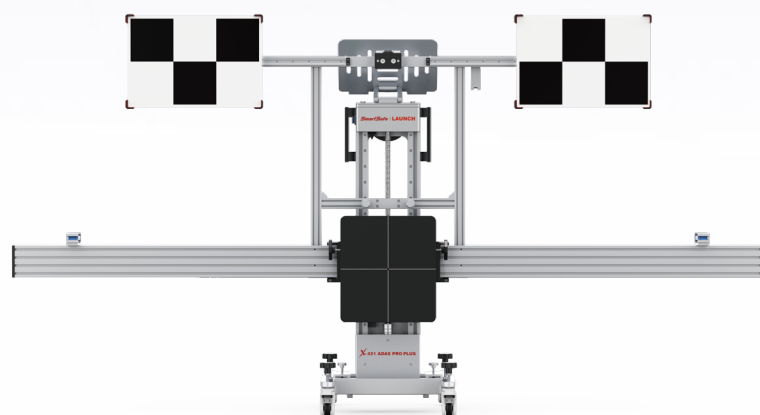


FEATURES

- **Foldable & portable**
Perfectly placed into the car trunk with foldable base and arms
- **Ultra-high precision & fast positioning**
Laser-shooting positioning and measurement
- **Wider vehicle coverage**
OE standard targets and advanced ADAS software featured
- **Easy-to-use**
Detailed graphic operating instructions

X-431 ADAS PRO PLUS

ULTRA-HIGH PRECISE ADAS CALIBRATION



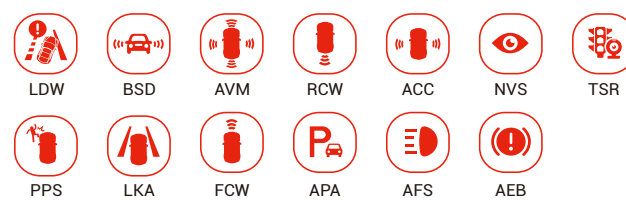
FEATURES

- **Ultra-high precision & fast positioning**
 - Multi-directional fine-tuning supported
 - Millimeter precision laser range-finder
 - Electric lifting and manual adjustment
- **Wider vehicle coverage**
OE standard targets and advanced ADAS software featured
- **Easy-to-use**
Detailed graphic operating instructions
- **Durable**
Upgraded aluminum alloy frame makes it more

APPLICABLE SCAN TOOLS



THE SUPPORTED CALIBRATION SYSTEMS



GET THE REPAIR JOBS DONE BETTER AND MORE EFFICIENCY



PRACTICAL
UNIVERSAL
FAST REPAIR

TWT-100

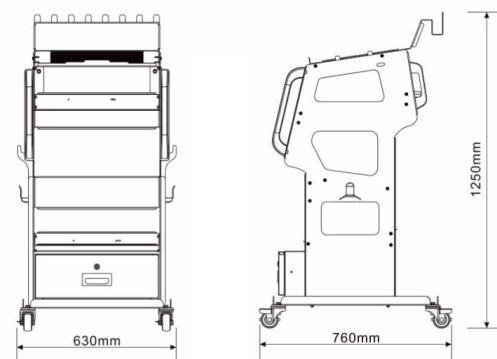
HIGH-QUALITY TOOL TROLLEY



The TWT-100 Tool Trolley is the most durable and best equipped storage tool for any shops. It also can be used as personal work station with enough room for kinds of tools includes computers, scanners, programming flashing power etc.

FEATURES

- 5 Layer design for tools/ equipment orderly placement.
- Equipped with Keyed Locking System.
- Top Layer Tilt Design for easy operating.
- Lockable Drawer for safer storage.
- Special Hock Rack design for wire arrangement.
- Metal Radiating Plate for laptop/ equipment effectively heat elimination.
- Push/Pull handle and 360° freely rotate wheels, take TWT-100 to wherever you want.
- Made of high-quality steel at least 2mm thickness.



TTH-60

60PCS 4-WHEEL ALIGNER TOOLS CART KIT

The TTH-60 60pcs 4-Wheel Aligner Tools Cart Kit is a modular tool solution based on the operation at 4-wheel aligner. It contains various universal tools such as sleeves, wrenches, pliers, etc. That is applicable for the 4-wheel alignment and calibration.



FEATURES

- Added special 4-wheel alignment tools, such as 4-wheel aligner level gauge, tire balance plier; etc.
- Complete and practical tools with overall quantity minimized.
- The professional 4-wheel aligner tool box is used as the carrier, with easy operation and improved efficiency and comfortability.
- Lifetime warranty including socket, screwdriver head, conventional wrench, screwdriver, pliers.
- Special tools are guaranteed for 12 months, the rest of the products are subject to the latest information.

TOOL SET REFERENCE



TTH-208

208PCS FAST REPAIR TOOLS CART KIT

The TTH-208 208pcs Fast Repair Tools Cart Kit is a repair tools solution that specially designs for the fast repair shops and 4S shops. The whole cart kit includes a variety of maintenance tools and stratifies them according to different types, making it easy for technicians to find tools and improve work efficiency.



FEATURES

- Combination of universal tools, meeting the demands of maintenance.
- Simple fast repair solution, meeting the basic demand of fast repair Wide and practical application.
- With a newest 3-layer tool cart.
- Lifetime warranty including socket, screwdriver head, conventional wrench, screwdriver, pliers.
- Special tools are guaranteed for 12 months, the rest of the products are subject to the latest information.

ADD-ON

- 1pcs Flexible flexure picker
- 3pcs T-type hexagon socket wrench(8mm, 10mm, 12mm)

TOOL SET REFERENCE



TTH-375

375PCS MECHANICS TOOLS CART KIT

The TTH-375 375pcs Mechanic Tools Cart Kit is a solution for the vehicle machine maintenance. It not only has a full range of general-purpose tools, but also adds special tools for popular vehicle models. TTH- 375 tool cart can both meet the demands of most vehicle models and used for special vehicles.



FEATURES

- Complete tools, meeting the demands of most vehicle models.
- Added special socket sets for the popular vehicle models.
- Guaranteed product quality, complete function, more cost-effective.
- Lifetime warranty including socket, screwdriver head, conventional wrench, screwdriver, pliers.
- Special tools are guaranteed for 12 months, the rest of the products are subject to the latest information.

ADD-ON

- 2pcs Flexible flexure picker
- 4pcs T-type hexagon socket wrench(8mm, 10mm, 12mm, 13mm)

TOOL SET REFERENCE



63pcs 12.5mm Socket Tool Set



150pcs 12.5mm Socket Tool Set



26pcs Wrench Tool Set



38pcs Screwdriver Tool Set

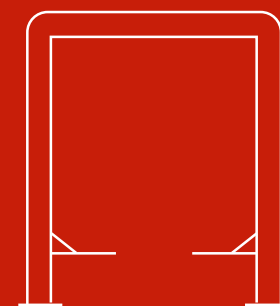


28pcs Pliers Tool Set



64pcs Repair Tool Set

INTERNATIONAL STANDARD LIFTS COLLECTION



ECONOMICAL
LUXURIOUS
AUTOMATIC

TWO POST LIFT

Economical / Luxurious / Automatic

	TLT235SB	TLT235SB(S)	TLT235SBA	TLT235SC	TLT240SB	TLT240SB(S)	TLT240SC	TLT240SC(S)	TLT240SCA	TLT210AS	TLT211AS	TLT245AT	TLT250AT
Capacity(kg)	3500	3500	3500	3500	4000	4000	4000	4000	4000	4500	5000	4500	5000
Color	Standard: Launch Red & Grey. Optional: VW/Hyundai /Buick Blue	Standard: Launch Red & Grey. Optional: Orange, Dark Grey, VW/Hyundai /Buick Blue	Standard: Launch Red & Grey. Optional: VW/Hyundai /Buick Blue	Standard: Launch Red & Grey. Optional: VW/Hyundai /Buick Blue	Standard: Launch Red & Grey. Optional: VW/Hyundai /Buick Blue	Standard: Launch Red & Grey. Optional: Orange, Dark Grey, VW/Hyundai /Buick Blue	Standard: Launch Red & Grey. Optional: VW/Hyundai /Buick Blue	Standard: Launch Red & Grey. Optional: VW/Hyundai /Buick Blue	Standard: Launch Red & Grey. Optional: VW/Hyundai /Buick Blue	Standard: Launch Red & Grey. Optional: VW/Hyundai /Buick Blue	Standard: Launch Red & Grey. Optional: VW/Hyundai /Buick Blue	Standard: Launch Red & Grey. Optional: VW/Hyundai /Buick Blue	Standard: Launch Red & Grey. Optional: VW/Hyundai /Buick Blue
Electrical Connection (PH/V/HZ)	3/380/501 /220/50\603 /220/50\60	3/380/501 /220/50	3/380/501 /220/50\603 /220/50\60	3/380/501 /220/50\603 /220/50\60	3/380/501 /220/50\603 /220/50\60	3/380/501 /220/50 /220/50	3/380/501 /220/50\603 /220/50\60	3/380/501 /220/50\603 /220/50\60	3/380/501 /220/50\603 /220/50\60	1/220/60	1/220/60	3/380/501 /220/50\603 /220/50\60	3/380/501 /220/50\603 /220/50\60
Clear Distance Between Columns (Symmetric installation)	2770mm	2770mm	2750mm	2750mm	2750mm	2750mm	2750mm	2750mm	2750mm	2800mm	2742mm	2750mm	3350mm
Clear Distance Between Columns (Asymmetric installation)	\	\	\	2663mm	\	\	2655mm	2655mm	2655mm	2588mm	\	2655mm	3120mm
Engine Power	2.2kW	2.2kW	2.2kW	2.2kW	2.2kW	2.2kW	2.2kW	2.2kW	2.2kW	1.5kW	1.5kW	2.2kW	3kW
Fuse Protection	\	\	10A/32A	\	\	\	\	\	10A/32A	\	\		\
Synchronization System	Steel rope	Steel rope	Steel rope	Steel rope	Steel rope	Steel rope	Steel rope	Steel rope	Steel rope	Steel rope	Steel rope	Steel rope	Steel rope
Oil Quantity	10L	10L	10L	10L	10L	10L	10L	10L	10L	12L	12L	12L	12L
Noise Level	≤75dB(A)	≤75dB(A)	≤75dB(A)	≤75dB(A)	≤75dB(A)	≤75dB(A)	≤75dB(A)	≤75dB(A)	≤75dB(A)	≤75dB(A)	≤75dB(A)	≤75dB(A)	≤75dB(A)
Lifting Time	≤55s	≤55s	≤55s	≤55s	≤55s	≤55s	≤55s	≤55s	≤55s	≤54s	≤54s	≤55s	≤55s
Lowering Time	≥20s ≤40s	≥20s ≤40s	≥20s ≤40s	≥20s ≤40s	≥20s ≤40s	≥20s ≤40s	≥20s ≤40s	≥20s ≤40s	≥20s ≤40s	≥20s ≤40s	≥20s ≤40s	≥20s ≤40s	≥20s ≤40s
Drive-Through Width(Symmetric installation)	2486mm	2486mm	2486mm	2436mm	2486mm	2486mm	2486mm	2486mm	2486mm	2500mm	2438mm	2486mm	3050mm
Drive-Through Width(Asymmetric installation)	\	\	\	2390mm	\	\	2415mm	2415mm	2415mm	2335mm	\	2415mm	2888mm
Total Height	2860mm	2860mm	2860mm	3840mm	2860mm	2860mm	3840mm	3840mm	3840mm	3780mm	3786mm	3840mm	4810mm
Total Width (Symmetric installation)	3370mm	3370mm	3370mm	3370mm	3370mm	3370mm	3420mm	3420mm	3420mm	3470mm	3500mm	3420mm	4110mm
Total Width (Asymmetric installation)	\	\	\	3551mm	\	\	3563mm	3563mm	3563mm		\	3563mm	4130mm
Pick Up Pad Height Min	110mm	110mm	110mm	110mm	110mm	110mm	110mm	110mm	110mm	110mm	110mm	110mm	110mm
Pick Up Pad Height Max	1920mm	1920mm	1920mm	1920mm	1920mm	1920mm	1920mm	1920mm	1920mm	1940mm	1920mm	1920mm	1920mm
Length Front Arm	580mm~1120mm	580mm~1120mm	580mm~1120mm	580mm~1120mm	580mm~1120mm	580mm~1120mm	580mm~1120mm	580mm~1120mm	580mm~1120mm	600mm~1105mm	600mm~1105mm	600mm~1105mm	\
Length Rear Arm	855mm~1365mm	855mm~1365mm	855mm~1365mm	855mm~1365mm	855mm~1365mm	855mm~1365mm	855mm~1365mm	855mm~1365mm	855mm~1365mm	980mm~1570mm	980mm~1570mm	980mm~1570mm	980mm~1800mm
Anti-explosion	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Standard	Standard	Standard	Standard	Standard
Post Design	One column	One column	One column	Two column combination	One column	One column	Two column combination	Two column combination	Two column combination	Two column combination	Two column combination	Two column combination	Two column combination
Unlock System	Manually single side	Manually single side	Automatically two sides	Manually two sides	Manually two sides	Manually single side	Manually single side	Manually single side	Automatically two sides	Manually single side	Manually single side	Manually single side	Manually single side
CE-Stop	\	\	Optional	\	\	\	\	\	Standard	\	\	\	\
Certification	CE	CE	CE	CE	CE	CE	CE	CE	CE	ALI	ALI	CE	CE

TLT260AT

Packed with industry leading technology, the new released TLT260AT Hydraulic 2-post Lift combines the top-notch materials, outstanding lifting performance and 6000KG large capacities. All these features make TLT260AT a fantastic purchase for automotive repair shops and services.

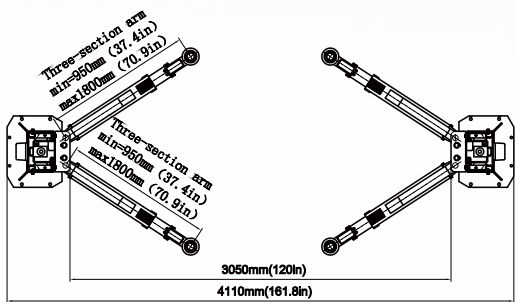
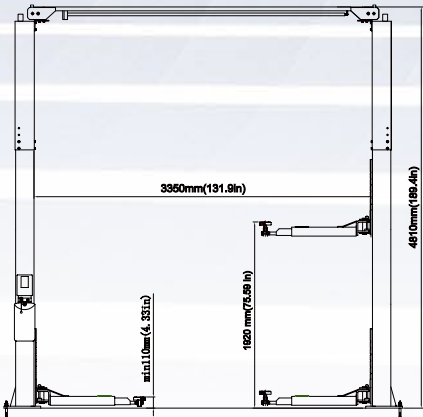
FEATURES

- Easy to operate, fully automatic to rise, fall and manual lock.
- Safe to use by setting top limit switch, to prevent overhead collision.
- Double hydraulic cylinders drive, stable lifting and lowering.
- Adopt two steel cables for equalization, force two carriages to move synchronously, and effectively prevent the vehicle from tilting.
- Lowest height of lifting pad is 110mm.
- Passed 115% dynamic loading test and 150% static loading test.



SPECIFICATION

WORKING TEMPERATURE	-5°C~+40°C
RELATIVE HUMIDITY	Temperature +30°C, relative humidity 80%
TRANSPORT/STORAGE TEMPERATURE	-5°C~+40°C
HEIGHT ABOVE SEA LEVEL	No more than 2000m
ARM	3350mm
MOTOR POWER	3kW
MOTOR(OPTIONAL) VOLTAGE	According to client's requirement
SINGLE PHASE	220V/50Hz; 220V/60Hz
THREE PHASE	380V/50Hz
WORKING NOISE	75dB(A)
WORKING OIL PRESSURE	24MPa



TWO TYPES COMPARISON

MODELS	RATED LOAD	LIFTING HEIGHT	RISE TIME	DESCENDING TIME	NET WEIGHT	PASSING WIDTH	MACHINE WIDTH	MACHINE HEIGHT
TLT260AT (Symmetric)	6000kg	1920mm	65s	20s 40s	1160kg	3050mm	4110mm	4810mm
TLT260AT (Asymmetric)						2888mm	4130mm	

TLT235SB(S)

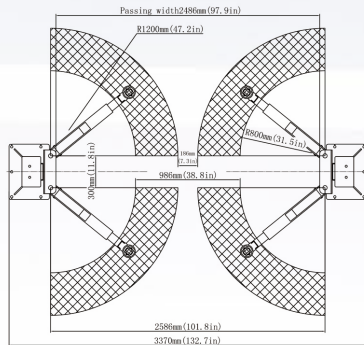
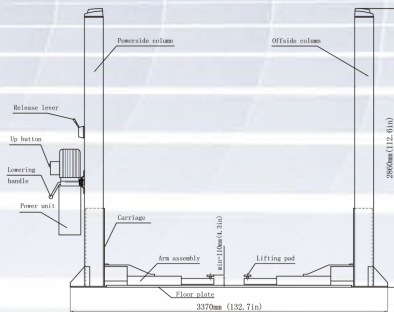
The TLT235SB(S) lift tool is designed based on international standard with Single manual safety unlocking system. It is CE certificated to meet the demand of the garages and workshops.

FEATURES

- Dual hydraulic cylinders drive makes lifting and lowering stable.
- Bilateral mechanical insurance and unilateral manual release.
- Detachable slider cover structure is more convenient and efficient for maintenance. The arm locking mechanism with widening tooth block, effectively prevent the slippage, lift the vehicle safety.
- Prevent the vehicle from tilting by adopting two steel cables for equalization and forcing two carriages to move synchronously.
- Min. height of lifting pad is 110mm, low chassis or low profile car is perfect.

SPECIFICATION

WORKING TEMPERATURE	-5°C~+40°C
RELATIVE HUMIDITY	Temperature +30°C, relative humidity 80%
TRANSPORT/STORAGE TEMPERATURE	-5°C~+40°C
HEIGHT ABOVE SEA LEVEL	No more than 2000m
ARM	800~1200mm/31.5~47.2in
MOTOR POWER	2.2kw
MOTOR(OPTIONAL) VOLTAGE	According to client's requirement
SINGLE PHASE	110V/60Hz; 220V/50Hz; 220V/60Hz
THREE PHASE	380V/50Hz; 220V/50Hz;220V/60Hz
WORKING NOISE	75dB(A)
WORKING OIL PRESSURE	16MPa



RATED LOAD	SCREW PAD HEIGH	LIFTING HEIGHT	LIFTING TIME	LOWERING TIME	TOTAL WEIGHT	PASSING WIDTH	TOTAL WIDTH	TOTAL HEIGHT
3500kg 8000lb	110mm 4.3in	1920mm 75.59in	55s	20s 40s	620kg 1367lbs	2486mm 97.9in	3370mm 132.7in	2860mm 112.6in

CONFIGURATION

		BASIC	CE STANDARD
SWING ARM	2 stage(800~1200)*4	●	●
UNLOCKING SYSTEM	Bilateral manual pull	●	●
POWER UNIT	Domestic(Underneath) 2.2kW 10L	●	●
CONTROL BOX	Electric control box		●
LIFTING PAD	Double screws lifting pad	●	●
SAFETY DEVICE	Cylinder travel limit module, button box, Anti-explosion valve, guardrail		●
COLOR	Launch red, Launch grey, Volkswagen blue, Hyundai blue, GM blue(Buick blue)	●	●
WARRANT Y	1 year	●	●

TLT235SB/240SB/235SC/240SC

With double hydraulic cylinders and high strength chain drive, the lift tools guarantee stable and smooth lifting and lowering. The patented slider bracket design improves the replacing efficiency. All are CE certificated to meet the demand of the garages and workshops.

FEATURES

- Bilateral manual safety unlocking system.
- The cable and oil pipe are fully concealed; with decent and elegant appearance.
- Wire rope equalization system forces synchronous movement of two carriages and effectively prevents vehicle from tilting.
- 24V low voltage control box(IP54 level)ensures operator's safety.
- 24V cylinder travel limit switch effectively protects cylinder and extends its lifespan.
- Door rubber pad protects car door from being damaged in collision.
- More lifting pads with different height meets the requirements for light lorries and SUVs.
- CE certificated and passed 115% dynamic loading test and 150% static loading test.
- Symmetric and asymmetric installation types are optional. (For SC model)

CONFIGURATION

		BASIC	CE STANDARD
SWING ARM	2 stage(800~1200)*4	●	●
UNLOCKING SYSTEM	Bilateral manual pull	●	●
POWER UNIT	Domestic(Underneath) 2.2kW 10L	●	●
CONTROL BOX	Electric control box		●
LIFTING PAD	Double screws lifting pad	●	●
SAFETY DEVICE	Cylinder travel limit module, button box, Anti-explosion valve, guardrail		●
COLOR	Launch red, Launch grey, Volkswagen blue, Hyundai blue, GM blue(Buick blue)	●	●
WARRANTY	1 year	●	●



OPTIONAL PARTS

90mm square low lifting tray accessory (adjustment range:25-90mm)	Extension sleeve 90/125/140mm

SPECIFICATION

	TLT235SB	TLT240SB	TLT235SC	TLT240SC
CAPACITY (KG)	3500	4000	3500	4000
LIFTING HEIGHT (MM)	1920	1920	1920	1920
INITIAL HEIGHT (MM)	110	110	110	110
LIFTING TIME (S)	≤55	≤55	≤55	≤55
LOWERING TIME (S)	≥20 ≤40	≥20 ≤40	≥20 ≤40	≥20 ≤40
PASSING WIDTH FOR SYMMETRIC INSTALLATION (MM)	2486	2486	2436	2486
PASSING WIDTH FOR ASYMMETRIC INSTALLATION (MM)	-	-	2390	2415
OVERALL WIDTH FOR SYMMETRIC INSTALLATION (MM)	3370	3370	3400	3420
OVERALL WIDTH FOR ASYMMETRIC INSTALLATION (MM)	-	-	3551	3563
OVERALL HEIGHT (MM)	2860	2860	3840	3840
MOTOR POWER (KW)	2.2	2.2	2.2	2.2
MOTOR VOLTAGE	3 phase/380V or single phase/220V			
WORKING NOISE (DB(A))	≤75dB	≤75dB	≤75dB	≤75dB
WORKING OIL PRESSURE (MPA)	16	18	16	18

TLT235SBA/ TLT240SBA

With double hydraulic cylinders and high strength chain drive, the lift tools guarantee stable and smooth lifting and lowering. The patented slider bracket design improves the replacing efficiency. Equipped with fully automatic safety unlocking system, all are CE certificated to meet the demand of the garages and workshops.



FEATURES

- Fully automatic unlocking safety device is adopted for operating only with UP/DOWN button.
- The cable and oil pipe are fully concealed; with decent and elegant appearance.
- Double hydraulic cylinder and high strength chain drive makes stable and smooth lifting and lowering.
- Wire rope equalization system forces synchronous movement of two carriages and effectively prevents vehicle from tilting.
- 24V low voltage control box(IP54 level) ensures operator's safety.
- Cylinder travel limit switch effectively protects cylinder and extends its lifespan.
- Emergency lowering valve can be manually operated to make lift lower safely in case power is off.
- Flow-control valve is deployed to make brt slower or stop lowering for the case of oil pipe explosion, thus protects operator's safety and vehicle not being damaged.
- CE-STOP function with safety alarm beep would automatically warn operators to keep safe distance from lift when it lowers to about 250mm high from ground.
- Door rubber pad protects car door from being damaged in collision.
- More lifting pads with different height meets the requirements for light lorries and SUVs.
- Asymmetric arms are optional.
- Passed 115% dynamic loading test and 150% static loading test.

SPECIFICATION

WORKING TEMPERATURE	-5°C~+40°C
RELATIVE HUMIDITY	+30°C, relative humidity 80%
STORAGE TEMPERATURE	-5°C~+40°C
HEIGHT ABOVE SEA LEVEL	No more than 2000m
RATED LOAD	3500kg(TLT235SBA) 4000kg(TLT240SBA)
LIFTING HEIGHT	1920mm
INITIAL HEIGHT	110mm
LIFTING TIME	≤55s
LOWERING TIME	≥20s ≤40s
PASSING WIDTH	2486mm
OVERALL WIDTH	3370mm
OVERALL HEIGHT	2860mm
MOTOR POWER	2.2kW
MOTOR (optional)VOLTAGE According to client's requirement	Single phase: 110V/60Hz 2.2kW; 220V/50Hz 2.2kW Single phase: 200V/60Hz 2.2kW Three phase: 380V/50Hz 2.2kW
WORKING NOISE	75dB(A)
WORKING OIL PRESSURE	235SBA 16mpa

OPTIONAL PARTS

90mm square low lifting tray accessory (adjustment range:25-90mm)	Extension sleeve 90/125/140mm	Asymmetric arm assembly 2stage(855-1365)*2 3stage(580-1120)*2

CONFIGURATION

		CE STANDARD
SWING ARM	2 stage(800~1200)*4	●
UNLOCKING SYSTEM	Electrical unlock	●
POWER UNIT	Domestic(Underneath) 2.2kW 10L	●
CONTROL BOX	Electric control box	●
LIFTING PAD	Double screws lifting pad	●
SAFETY DEVICE	Cylinder travel limit module, button box, Anti-explosion valve, guardrail	●
COLOR	Launch red, Launch grey, Volkswagen blue, Hyundai blue, GM blue(Buick blue)	●
WARRANT Y	1 year	●

TLT240SC(S)

The TLT240SC(S) lift tool is designed based on international standard. It is CE certificated to meet the demand of the garages and workshops.

FEATURES

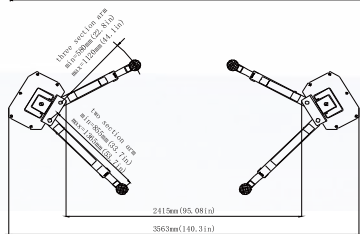
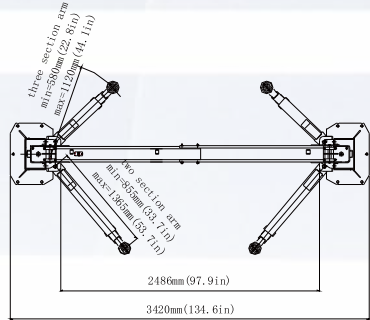
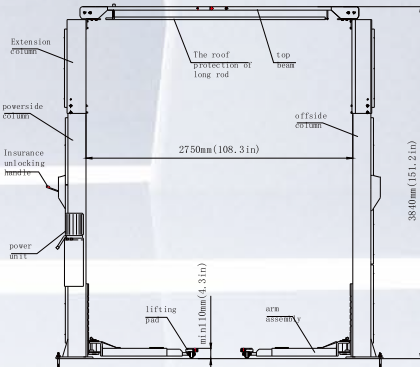
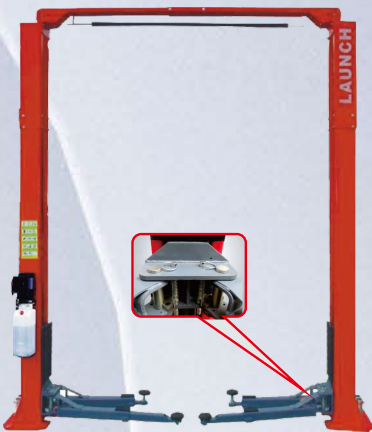
- Single manual safety unlocking system.
- The cable and oil pipe are fully concealed, with decent and elegant appearance.
- Top limit switch, effectively protects the vehicle from overhead collision.
- Dual hydraulic cylinders drive makes lifting and lowering stable.
- Manual lowering, sage and simple in operation.
- Adopt two steel cables for equalization, force two carriages to move synchronously, and effectively prevent the vehicle from tilting.
- Lowest height of lifting pad is 110m, good for repairing low chassis or low profile car.
- CE certificated.

SPECIFICATION

WORKING TEMPERATURE	-5°C~+40°C
RELATIVE HUMIDITY	Temperature +30°C, relative humidity 80%
TRANSPORT/STORAGE TEMPERATURE	-5°C~+40°C
HEIGHT ABOVE SEA LEVEL	No more than 2000m
WORKING NOISE	≤75dB(A)
WORKING PRESSURE	18MPa
MACHINE ELECTRICAL PARAMETERS	Motor(optional)
MOTOR (optional) VOLTAGE According to client's requirement	Single phase: 110V/60Hz 2.2kW; 220V/50Hz 2.2kW Single phase: 200V/60Hz 2.2 kW Three phase: 380V/50Hz 2.2 kW
SINGLE PHASE	220V/50Hz 2.2kW
SINGLE PHASE	220V/60Hz 2.2kW
THREE PHASE	330V/50Hz 2.2kW

CONFIGURATION

		BASIC	CE STANDARD
SWING ARM	2 stage(800~1200)x4	●	●
UNLOCKING SYSTEM	Manually single side	●	●
POWER UNIT	Domestic(Underneath) 2.2KW 10L	●	●
CONTROL BOX	Electric control box		●
LIFTING PAD	Double screws lifting pad	●	●
SAFETY DEVICE	Cylinder travel limit module, button box, Anti-explosion valve, guardrail		●
COLOR	Launch red, Launch grey, Volkswagen blue, Hyundai blue, GM blue(Buick blue)	●	●
WARRANTY	1 year	●	●

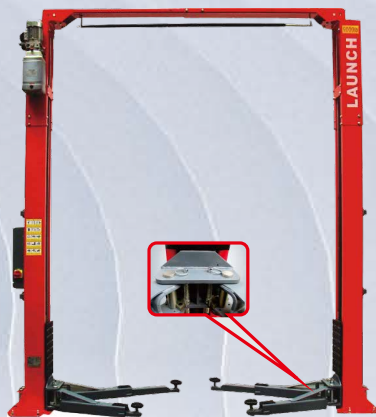


OPTIONAL PARTS

90mm square low lifting tray accessory (adjustment range: 25-90mm)	Extension sleeve 90/125/140mm	Asymmetric arm assembly 2stage(855-1365)*2 3stage(580-1120)*2

TLT240SCA

With double hydraulic cylinders and high strength chain drive, the TLT240SCA lift tool guarantees stable and smooth lifting and lowering. The patented slider bracket design improves the replacing efficiency. Equipped with fully automatic safety unlocking system, TLT240SCA is CE certificated to meet the demand of the garages and workshops.



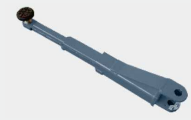
FEATURES

- Fully automatic unlocking safety device is adopted for operating only with UP/DOWN button.
- The cable and on pipe are fully concealed; with decent and elegant appearance.
- Double hydraulic cylinder and high strength chain drive makes stable and smooth lifting and lowering.
- Wire rope equalization system forces synchronous movement of two carriages and effectively prevents vehicle from tilting.
- 24V low voltage control box(IP54 level) ensures operator's safety.
- Cylinder travel limit switch effectively protects cylinder and extends its lifespan.
- Emergency lowering valve can be manually operated to make lift lower safely in case the power is off.
- Anti-explosion valve is deployed to make lift slower or stop lowering from the case of oil pipe explosion, thus protects operator's safety and vehicle not being damaged.
- CE-STOP function with safety alarm beep would automatically warn operators to keep safe distance from lift when it lowers to about 250mm high from ground.
- Door rubber pad protects car door from being damaged in collision.
- More lifting pads with different height meets the requirements for light lorries and SUVs.
- Symmetric and asymmetric installation types are optional.
- Passed 115% dynamic loading test and 150% static loading test.
- CE certificated.

SPECIFICATION

WORKING TEMPERATURE	-5°C~+40°C
RELATIVE HUMIDITY	+30°C, relative humidity 80%
STORAGE TEMPERATURE	-5°C~+40°C
HEIGHT ABOVE SEALEVEL	No more than 2000m
RATED LOAD	4000kg
LIFTING HEIGHT	1920mm
INITIAL HEIGHT	110mm
LIFTING TIME	≤55s
LOWERING TIME	≥20s ≤40s
PASSING WIDTH (SYMMETRIC INSTALLATION)	2486mm
OVERALL WIDTH (SYMMETRIC INSTALLATION)	3420mm
PASSING WIDTH ASYMMETRIC INSTALLATION	2415mm
OVERALL WIDTH ASYMMETRIC INSTALLATION	3563mm
OVERALL HEIGHT	3840mm
MOTOR POWER	2.2kw
MOTOR (optional) VOLTAGE	Single phase: 110V/60Hz 2.2kW; 220V/50Hz 2.2kW Single phase: 200V/60Hz 2.2 kW Three phase: 380V/50Hz 2.2 kW According to client's requirement
WORKING NOISE	≤75dB(A)
WORKING OIL PRESSURE	18MPa

OPTIONAL PARTS

90mm square low lifting tray accessory (adjustment range:25-90mm)	Extension sleeve 90/125/140mm	Asymmetric arm assembly 2stage(855-1365)*2 3stage(580-1120)*2
		

CONFIGURATION

		CE STANDARD
SWING ARM	2 stage(800~1200)*4	●
UNLOCKING SYSTEM	Full automatic	●
POWER UNIT	Domestic(Underneath) 2.2kW 10L	●
CONTROL BOX	Full electronic control system	●
LIFTING PAD	Double screws lifting pad	●
SAFETY DEVICE	CE-STOP, Cylinder travel limit module, Anti-explosion valve, Emergency lowering valve	●
COLOR	Launch red, Launch grey, Volkswagen blue, Hyundai blue, GM blue(Buick blue)	●
WARRANT Y	1 year	●

TLT210-AS/TLT211-AS

The lift tools are with single manual safety unlockin system. Both are ALI certificated to meet the deman of the garages and workshops.

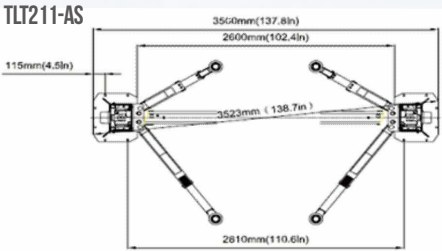
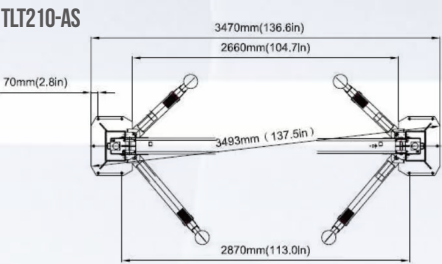
FEATURES

- Single manual safety unlocking system.
- Unilateral lowering device manually, sage and convenient operation.
- The cable and oil pipe are fully concealed; with decent and elegant.
- Double hydraulic cylinder drive makes stable and smooth lifting and lowering.
- Wire rope equalization system forces synchronous movement of two carriages and effectively prevents vehicle from tilting.
- 24V low voltage control box(IP54 level) ensures operator's safety.
- Cylinder travel limit switch effectively protects cylinder and extends its lifespan.
- Door rubber pad protects car door from being damaged in collision.
- More lifting pads with different height meets the requirements for light lorries and SUVs.
- Passed 115% dynamic loading test and 150% static loading test.
- ALI certificated.



SPECIFICATION

	TLT210-AS	TLT211-AS
SWING ARM	2 stage(980~1570)*2 3 stage(600~1105)*2	2 stage(980~1570)*2 3 stage(600~1000)*2
UNLOCKING SYSTEM	Single-side manual pull	Single-side manual pull
LIFTING PAD	Special double screws lifting pad	Special double screws lifting pad
SAFETY DECICE	Anti-explosion valve	Anti-explosion valve
COLOR	Launch red, Launch grey, Volkswagen blue, Hyundai blue, GM blue(Buick blue)	Launch red, Launch grey, Volkswagen blue, Hyundai blue, GM blue(Buick blue)
WARRANTY	1 year	1 year



OVERALL SIZE

OPTIONAL PARTS(T10-AS)

Extension sleeve 90/125/140mm


OPTIONAL PARTS(T11-AS)

Extension sleeve 90/125/140mm


MODELS	MOTOR POWER	LIFTING HEIGHT	LIFTING TIME	LOWERING TIME	WEIGHT	PASSING WIDTH FOR SYMMETRIC INSTALLATION	OVERALL WIDTH FOR SYMMETRIC INSTALLATION	OVERALL HEIGHT FOR SYMMETRIC INSTALLATION	INTINAL HEIGHT	RATED LOAD
TLT210-AS	1.5kW	1920mm	54s	20s 40s	730kg	2500mm	3470mm	3780mm	110mm	4500kg
TLT211-AS	1.5kW	1920mm	54s	20s 40s	900kg	2438mm	3502mm	3786mm	110mm	5000kg

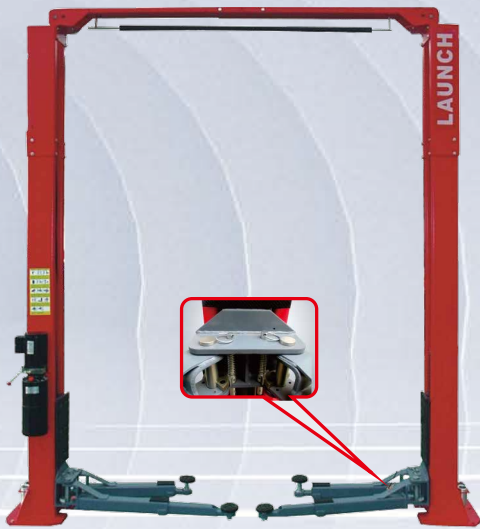
ATTENTION! The lift is intended for indoor intallation only. It is prohibited to install the product outdoors. Operating environment temperature range should be -59°C~ +40°C(239°F~104°F). Failure to adhere will result in decertification, loss of warranty, and possible damage to the equipment.

TLT245AT

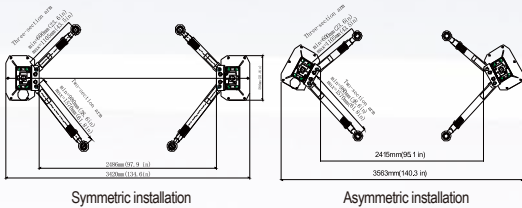
With double hydraulic cylinders and high strength chain drive, the TLT245AT lift tool guarantees stable and smooth lifting and lowering. The patented slider bracket design improves the replacing efficiency. Equipped with fully automatic safety unlocking system, TLT245AT is CE certificated to meet the demand of the garages and workshops.

FEATURES

- Single manual safety unlocking system.
- Single-side manual lowering device, safe and easy operation.
- The cable and oil pipe are fully concealed; with decent and elegant appearance.
- Double hydraulic cylinder drive makes stable and smooth lifting and lowering.
- Wire rope equalization system Forces synchronous movement of two carriages and effectively prevents vehicle from tilting.
- 24V low voltage control box(IP54 level) ensures operator's safety.
- Cylinder travel limit switch effectively protects cylinder and extends its lifespan.
- Door rubber pad protects car door from being damaged in collision.
- More lifting pads with different height meets the requirements for light lorries and SUVs.
- Passed 115% dynamic loading test and 150% static loading test.
- CE certificated.



Extension sleeve 152/76mm



OVERALL SIZE

SPECIFICATION

RATED LOAD	4500kg
LIFTING HEIGHT	1920mm
INITIAL HEIGHT	110mm
LIFTING TIME	≤55s
LOWERING TIME	≥20s ≤40s
PASSING WIDTH FOR SYMMETRIC INSTALLATION	2486mm
OVERALL WIDTH FOR SYMMETRIC INSTALLATION	3420mm
PASSING WIDTH FOR ASYMMETRIC INSTALLATION	2415mm
OVERALL WIDTH FOR ASYMMETRIC INSTALLATION	3563mm
OVERALL HEIGHT	3840mm
MOTOR POWER	2.2kW
MOTOR VOLTAGE	3 phase/380V or Single phase/220V
WORKING NOISE	≤75dB(A)
WORKING OIL PRESSURE	18MPa

CONFIGURATION

		BASIC	CE STANDARD
SWING ARM	2 stage(980~1570)*2 3 stage(600~1105)*2	●	●
UNLOCKING SYSTEM	Single-side manual pull	●	●
POWER UNIT	Domestic(Underneath) 2.2kW 12L	●	●
CONTROL BOX	Electric control box		●
LIFTING PAD	Special double screws lifting pad	●	●
SAFETY DEVICE	Cylinder travel limit module, button box, Anti-explosion valve, guardrail		●
COLOR	Launch red, Launch grey, Volkswagen blue, Hyundai blue, GM blue(Buick blue)	●	●
WARRANTY	1 year	●	●

TLT250AT

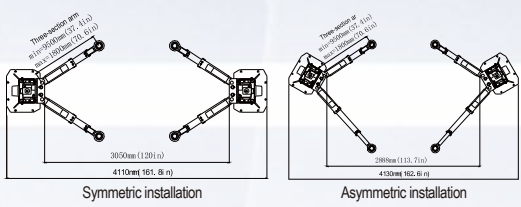
With double hydraulic cylinders and high strength chain drive, the TLT250AT lift tool guarantees a stable and smooth lifting and lowering. Its patented slider bracket design improves the replacing efficiency. TLT250AT is equipped with single-side manual safety unlocking system, 24V low voltage control box and cylinder travel limit switch. It is CE certificated to meet the demand of the garages and workshops.

FEATURES

- This machine is applicable for the lifting of various large SUVs. Business travel cars and other super wide and high special vehicles.
- Single-side manual lowering device, safe and easy operation.
- Width between two columns reaches 3350mm, overall height reaches 4810mm.
- Three-section long arm(adjustment range: 950mm~1800mm)
- The cable and oil pipe are fully concealed; with decent and elegant appearance.
- Double hydraulic cylinder drive makes stable and smooth lifting and lowering.
- Wire rope equalization system forces synchronous movement of two carriages and effectively prevents vehicle from tilting.
- 24V low voltage control box(IP54 level) ensures operator's safety.
- Cylinder travel limit switch effectively protects cylinder and extends its lifespan.
- Door rubber pad protects car door from being damaged in collision.
- More lifting pads with different height meets the requirements for light lorries and SUVs.
- Symmetric and asymmetric installation types are optional.
- Passed 115% dynamic loading test and 150% static loading test.
- CE certificated.



Extension sleeve 152/76mm



OVERALL SIZE

SPECIFICATION

RATED LOAD	5000kg
LIFTING HEIGHT	1920mm
INITIAL HEIGHT	110mm
LIFTING TIME	≤55s
LOWERING TIME	≥20s ≤40s
PASSING WIDTH FOR SYMMETRIC INSTALLATION	3050mm
OVERALL WIDTH FOR SYMMETRIC INSTALLATION	4110mm
PASSING WIDTH FOR ASYMMETRIC INSTALLATION	2888mm
OVERALL WIDTH FOR ASYMMETRIC INSTALLATION	4130mm
OVERALL HEIGHT	4810mm
MOTOR POWER	3.0kW
MOTOR (optional) VOLTAGE	Single phase: 110V/60Hz 2.2kW; 220V/50Hz 2.2kW Single phase: 200V/60Hz 2.2 kW Three phase: 380V/50Hz 2.2 kW According to client's requirement
WORKING NOISE	≤75dB(A)
WORKING OIL PRESSURE	20MPa

CONFIGURATION

		BASIC	CE STANDARD
SWING ARM	2 stage(980~1570) 3 stage(600~1105)	●	●
UNLOCKING SYSTEM	Single-side manual pull	●	●
POWER UNIT	Domestic(Underneath) 3.0kW 12L	●	●
CONTROL BOX	Electric control box		●
LIFTING PAD	Special double screws lifting pad	●	●
SAFETY DEVICE	Cylinder travel limit module, button box, Anti-explosion valve, guardrail		●
COLOR	Launch red, Launch grey, Volkswagen blue, Hyundai blue, GM blue(Buick blue)	●	●
WARRANTY	1 year	●	●

TLT440

With hydraulic cylinder and steel cable synchronization, the TLT440 four-post lift tool guarantees a stable and smooth lifting and lowering. Two-layer concealed plate structure provides excellent synchronizing performance with the horizontal precision of 1mm.

FEATURES

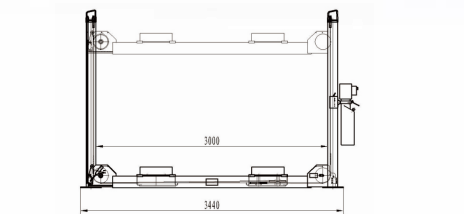
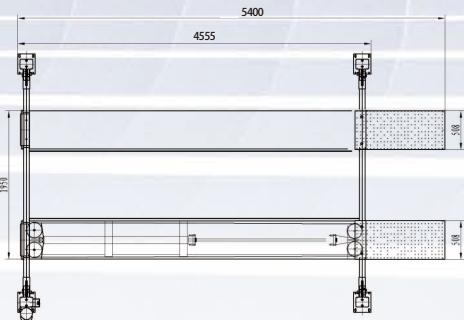
- Full-range mechanical safety protection by using the safety latches, manual lowering operation.
- Cylinder travel limit device effectively protects cylinder and extends its lifespan.
- Cable rupture safety system effectively protects vehicle from overturn.
- Electric controlled lifting and lowering safe and easy operation.
- Four connected steel cables force synchronized movement of the lift, effectively prevent vehicles from sloping.
- Distance between two platforms is adjustable for the vehicles with different wheel track.
- Passed national standards and CE certificated.

SPECIFICATION

WORKING TEMPERATURE	0°C~+40°C
RELATIVE HUMIDITY	Temperature +30°C, relative humidity 80%
STORAGE TEMPERATURE	-25°C~+55°C
HEIGHT ABOVE SEA LEVEL	No more than 2000m
RATED LOAD	4000kg
LIFTING HEIGHT	1850mm
INITIAL HEIGHT	170mm
LIFTING TIME	≤60S
LOWERING TIME	≥20s ≤40s
MAX DRIVE-ON WIDTH	3445mm
PLATFORM LENGTH	4240mm
PLATFORM WIDTH	500mm
OVERALL WIDTH	3445mm
OVERALL HEIGHT	2172mm
MOTOR POWER	2.2kW
MOTOR VOLTAGE	3 phase/380V Single phase/220V
WORKING NOISE	≤70dB(A)
WORKING OIL PRESSURE	16MPa
WORKING AIR PRESSURE	0.5~0.7MPa

CONFIGURATION

		BASIC	CE STANDARD
DRIVE ON RAMP ASSEMBLY	508*1060mm	●	
UNLOCKING SYSTEM	Manual lowering device	●	
POWER UNIT	Domestic 2.2kW 12L	●	
ANTI-EXPLOSION VALVE		●	●
LIFTING PAD	Button box, Anti-toe guard, cylinder travel limit device		●
LOOSE ROPE FORCED BALANCE SYSTEM			●
COLOR	Launch red, Launch grey, Volkswagen blue, Hyundai blue, GM blue(Buick blue)	●	●
WARRANTY	1 year	●	●



OVERALL SIZE

TLT440W

With hydraulic cylinder and steel cable synchronization, the TLT 440W Wheel Alignment four-post lift tool guarantees a stable and smooth lifting and lowering. Two-layer concealed plate structure provides excellent synchronizing performance with the horizontal precision of 1mm.

FEATURES

- Front wheel turn plate's position is adjustable and rear wheel sliding plate is extended for vaious vehicle type.
- Deployed with rolling jack with small scissor hydraulic lifting and lowering. can be moved back and forth and easy to adjustment tire.
- Positioning levels accuracy is adjustable, distance between platforms is adjustable, wheel base in certain scope is adjustable.
- Driven by hydraulic cylinder; full-scope mechanical safety locking by locking latch, manual lowering.
- Cable rupture safety system, effectively protects vehicle from overturn.
- Four connected steel cables force synchronized movement of the lift, effectively prevent vehicles from sloping.
- Cylinder travel limit device effectively protects cylinder and extends its lifespan.
- Electric controlled lifting and lowering type safe and easy operation.
- Installation position of turntable and side slip plate can be moved backwards and forwards.
- Applicable for vehicles with different wheel base.
- CE certificated.

SPECIFICATION

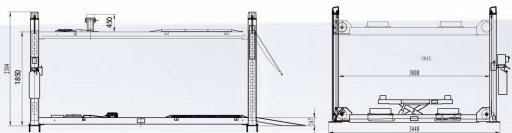
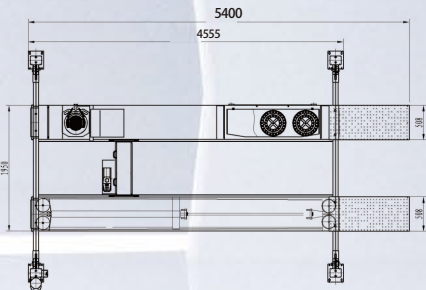
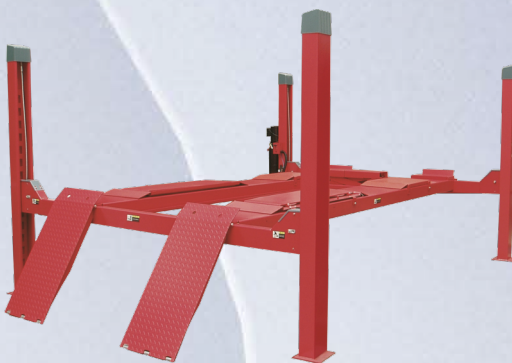
RATED LOAD	4000kg
LIFTING HEIGHT	1850mm
INITIAL HEIGH	220mm
LIFTING TIME	≤60S
OWERING TIME	≥20s ≤40s
MAX DRIVE-ON WIDTH	3045mm
PLATFORM LENGTH	4240mm
PLATFORM WIDTH	500mm

OVERALL WIDTH	3445mm
OVERALL HEIGHT	2172mm
MOTOR POWER	2.2kW
MOTOR VOLTAGE	3 phase/380V or Single phase/220V
WORKING NOISE	≤75dB(A)
WORKING OIL PRESSURE	20MPa

SECONDARY LIFT	
PLATFORM LENGTH	915~1450mm
PLATFORM WIDTH	215mm
LIFTING TIME	45S
RATED LOAD	2000kg
LIFTING HEIGHT	450mm
WORKING NOISE	≤70dB(A)
WORKING OIL PRESSURE	16MPa
WORKING AIR PRESSURE	0.5~0.7MPa

CONFIGURATION

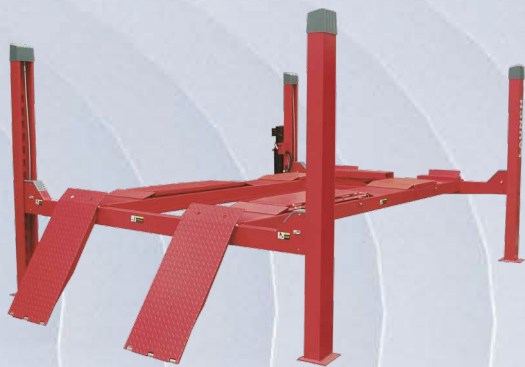
		BASIC	CE STANDARD
DRIVE ON RAMP ASSEMBLY	508*1060mm	●	●
UNLOCKING SYSTEM	Manual lowering device	●	●
POWER UNIT	Domestic 2.2kW 12L	●	●
SECONDARY LIFT	2 ton	●	●
TURNTABLE		●	●
SIDE SLIP PLATE		●	●
SAFETY DEVICE	Control box, cylimit limit device, Emergency lowering device, CE-STOP, loose rope forced balance system		●
COLOR	Launch red, Launch grey, Volkswagen blue, Hyundai blue, GM blue(Buick blue)	●	●
WARRANTY	1 year	●	●



OVERALL SIZE

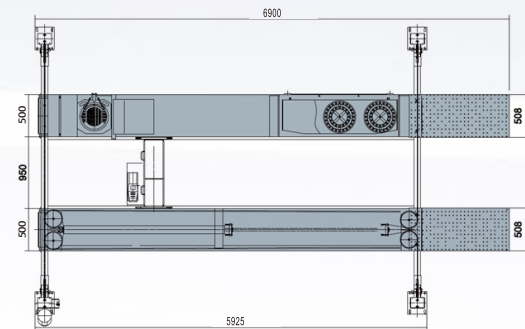
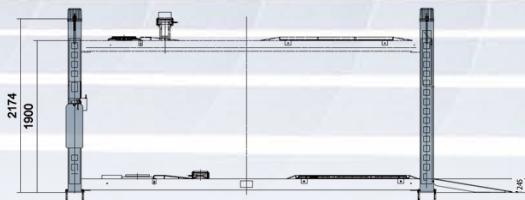
TLT455W

The TLT455W Wheel Alignment four-post lift tool guarantees a stable and smooth lifting and lowering. Two-layer concealed plate structure provides excellent synchronizing performance with the horizontal precision of 1mm. It is CE certificated to meet the demand of the garages and workshops.



FEATURES

- Front wheel turn plate' s position is adjustable and rear wheel sliding plate is extended for various vehicle type.
- Deployed with rolling jack with small scissor hydraulic lifting and lowering, can be moved back and forth and easy to adjustment tire.
- Positioning levels accuracy is adjustable, distance between platforms is adjustable, wheel base in certain scope is adjustable.
- Driven by hydraulic cylinder; full-scope mechanical safety locking by locking latch, manual lowering.
- Cable rupture safety system, effectively protects vehicle from overturn.
- Four connected steel cables force synchronized movement of the lift, effectively prevent vehicles from sloping.
- Cylinder travel limit device effectively protects cylinder and extends its lifespan.
- Electric controlled lifting and lowering type safe and easy operation.
- The installation position of turntable and side slip plate can be moved backwards and forwards.
- Applicable for vehicles with different wheel base.
- CE certificated.



OVERALL SIZE

SPECIFICATION

RATED LOAD	5500kg
LIFTING HEIGHT	1900mm
INITIAL HEIGHT	250mm
LIFTINGTIME	≤70S
LOWERING TIME	≥20s ≤40s
MAX DRIVE-ON WIDTH	3045mm
PLATFORM LENGTH	5600mm
PLATFORM WIDTH	500mm
OVERALL WIDTH	3445mm
OVERALL HEIGHT	2172mm
MOTOR POWER	2.2kW
MOTOR VOLTAGE	3 phase/380V or Single phase/220V

SECONDARY LIFT	
PLATFORM LENGTH	915~1450mm
PLATFORM WIDTH	215mm
LIFTING TIME	≤45S
RATED LOAD	2700kg
LIFTING HEIGHT	450mm
WORKING NOISE	≤70dB(A)
WORKING OIL PRESSURE	16MPa
WORKING AIR PRESSURE	0.5~0.7MPa

TLT635A



It takes space-saving style to save most workspace for diagnostic business. Many physical installations and settings ensure effective and efficient operations to be safe and reliable.

FEATURES

- In-ground installation. When the lift is lowered to the lowest, it will keep level with the ground, then more working space can be used.
- Having quality assurance for full set of oil cylinder seals, ball valve, hydraulic cylinder inlet.
- Platform unilateral stretching to serve more models.
- Mirror treatment of the inner wall of the cylinder to ensure that the cylinder not leaking and ensure the platforms synchronization.
- 24V control system and limit switch device.
- After rigorous testing, 120% dynamic loading test, and 150% static loading test.

SPECIFICATION

RATED LOAD	3500kg
LIFTING HEIGHT	330~2130mm
MINIMUM HEIGHT	330mm
PLATFORM WIDTH	550mm
TOTAL PLATFORM WIDTH	1980mm
PLATFORM LENGTH	standard 1550-1740 Double pullout 1650-2040mm
LIFTING TIME	≤55s
DESCENDING TIME	≥20
OPERATING WEIGHT	standard 696kg Double pullout 722kg

TLT635AF



It takes space-saving style to save most workspace for diagnostic business. The hidden scissor structure is ultra-thin and there is no need for digging a pit. Many physical installations and settings ensure effective and efficient operations to be safe and reliable.

FEATURES

- Ground type installation, the minimum height of the lift is 115mm, which is convenient for users to install.
- Full set of oil cylinder seals, imported high pressure ball valve, imported hydraulic oil cylinder, quality assurance.
- The approach bridge can be used as an extension of the platform to easily serve more vehicles.
- The synchronous oil cylinder is designed with double oil cylinders, and the platform runs synchronously and stably.
- 24V safety voltage control system and limit switch device.
- Safety devices such as anti-presser foot device 40cm above the ground and pneumatic safety lock fully consider the personal safety of the operator.
- After rigorous testing, 120% dynamic loading test, and 150% static loading test.

SPECIFICATION

RATED LOAD	3500kg
LIFTING HEIGHT	1850mm
MINIMUM HEIGHT	115mm
PLATFORM WIDTH	650mm
PLATFORM LENGTH	1475~2000mm
LIFTING TIME	≤50S
DESCENDING TIME	≥20s
OPERATING WEIGHT	870kg

TLT840WA



The TLT840WA Big Scissor Lift takes space-saving style to save most workspace for diagnostic business. The rated load reaches 4000kg. Many physical installations and settings ensure effective and efficient operations to be safe and reliable. It has very good horizontal adjustment ability for precisely adjusting horizontal accuracy, super fittable for the four-wheel alignment detection.

FEATURES

- It adopts hidden shear structure, which takes up little space.
- Independent control box, low-voltage control, good safety performance.
- The hydraulic volume synchronous cylinder ensures synchronous and stable operation of the platform.
- With hydraulic lock and mechanical double-tooth safety pawl double safety device, lowering automatically opens. Through locking operation, the safety pawl can realize anti-lean positioning, safe and reliable.
- With hydraulic failure and overload safety valve protection.
- The sliding block is made of oil-free ultra-wear-resistant .
- Adopt high-quality hydraulic and electrical components from Italy, Germany and Japan.
- The integrated base is adopted, which makes the horizontal adjustment ability strong and the horizontal accuracy accurate and adjustable, especially suitable for four-wheel positioning detection.

SPECIFICATION

	BIG SCISSOR	SMALL SCISSOR
RATED LOAD	4000KG	3500KG
LIFTING HEIGHT	1850mm	450mm
MINIMUM HEIGHT	330mm	
PLATFORM WIDTH	630mm	550mm
PLATFORM LENGTH	4500mm	1490-1675mm
LIFTING TIME	≤50s	≤20s
DESCENDING TIME	≥20s	≥12s
OPERATING WEIGHT	2050kg	

TLT840WAF



The TLT840WAF Big Scissor Lift takes space-saving style to save most workspace for diagnostic business. The rated load reaches 4000kg. Many physical installations and settings ensure effective and efficient operations to be safe and reliable. It has very good horizontal adjustment ability for precisely adjusting horizontal accuracy, super fittable for the four-wheel alignment detection.

FEATURES

- The ground shear structure is adopted, without foundation excavation, and it is convenient for users to install.
- Independent control box, low-voltage control, good safety performance.
- The synchronous oil cylinder is designed with double oil cylinders, and the platform runs synchronously and stably.
- With hydraulic lock and mechanical double-tooth safety pawl double safety device, lowering automatically opens. Through locking operation, the safety pawl can realize anti-lean positioning, safe and reliable.
- With hydraulic failure and overload safety valve protection.
- The sliding block is made of oil-free ultra-wear-resistant material.
- Adopt high-quality hydraulic and electrical components from Italy, Germany and Japan.
- The base can be adjusted by shims, which makes the horizontal adjustment ability strong and the horizontal accuracy accurate and adjustable, especially suitable for four-wheel positioning detection.

SPECIFICATION

	BIG SCISSOR	SMALL SCISSOR
RATED LOAD	4000kg	3500kg
LIFTING HEIGHT	1800mm	460mm
MINIMUM HEIGHT	215mm	
PLATFORM WIDTH	660mm	600mm
PLATFORM LENGTH	4500mm	1500mm
LIFTING TIME	≤60s	≤15s
DESCENDING TIME	≥20s	≥12s
OPERATING WEIGHT	2170kg	

LH-340/LH-330

3TON / 4TON DUAL PUMP FLOOR JACK CAN BE ORDERED



FEATURES

- Dual pump design makes the lifting faster.
- High-quality steel frame provides better durability.
- Low profile design, 85mm (100mm for LH-340) low entry minimum jack pad height.
- Universal joint release mechanism allows safer and more controllable lowering of the jack.
- Large jacking saddle equipped for increased load stability.
- Magnetic wheel nut retention tray for convenient operation.
- Protective jack handle sleeve helps prevent accidental damage to vehicle.

TLT606

HYDRAULIC MOTORCYCLE LIFT



FEATURES

- Applicable to the maintenance of motorcycle, raising 600kg.
- Built-in adjustable wheel clamp vise with better grip for a variety of applications.
- The insurance of mechanical safety and hydraulic explosion-proof ensure the operation safer.
- Equipped with front control handle to lift and down electrically.
- Manufactured from durable, powder-coated steel.

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