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 Launch Tech Co.,Ltd.

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LAUNCH PRODUCT CATALOG



30TH
SINCE 1992
LAUNCH

2022 ISSUE 1

www.cnlaunch.com

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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 and Shanghai, as well as global R&D teams in North America, Germany, Japan, Korea and Latin America.

X-431 LATEST SCAN TOOLS RECOMMENDATION

- Passenger Car
- Commercial Vehicle
- Heavy Duty Truck



Scan Tools



INTELLIGENT DIAGNOSTICS

FASTER / SMARTER / POWERFUL



X-431 PRO LITE V3.0



X-431 PRO V5.0



X-431 PRO3 V5.0



X-431 PRO5 V2.0



X-431 PAD III V3.0



X-431 PAD V V2.0



X-431 PAD VII

| CONFIGURATION | | | |
|------------------------------|----------------------|--|--|
| Display | 7" / 1024*600 | 8.0" / 1280*800 | 10.1" / 1280*800 |
| CPU | 1.5GHz Quad-Core | 2.0GHz Quad-core | 2.0GHz Quad-core |
| Memory | 2 GB | 4 GB | 4 GB |
| Storage | 32 GB | 64 GB | 64 GB |
| Camera | N/A | 8MP Rear | 8MP Rear |
| VCI Connector | DBScar IV | DBScar VII | DBScar VII |
| VCI Connection | Bluetooth | Bluetooth/USB Wired | Bluetooth/USB Wired |
| Battery | 6100mAh | 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) | 246 * 139.5 * 34(mm) | 234*166*39.5(mm) | 274*190.5*40.5(mm) |
| Add-on Modules | N/A | X-431 ADAS Mobile, X-431 ADAS PRO Plus, X-PROG 3, BST360, WiFi Printer, X-431 TSGUN, VSP600 Videoscope, O2-2 Oscilloscope, S2-2 Sensorbox. | X-431 ADAS Mobile, X-431 ADAS PRO Plus, X-431 ADAS HD, X-PROG 3, BST360, WiFi Printer, X-431 TSGUN, VSP600 Videoscope, O2-2 Oscilloscope, S2-2 Sensorbox, HDIII Add-on |

| FEATURES | | | |
|-------------------------------|----------------|--|--|
| Operating System | Android™ 7.0 | Android™ 10.0 | Android™ 10.0 |
| Full System Diagnosis | ✓ | ✓ | ✓ |
| OBD II Full Function | ✓ | ✓ | ✓ |
| Tech-to-Tech Remote Diagnosis | ✓ | ✓ | ✓ |
| Smartlink Remote Diagnosis | N/A | N/A | N/A |
| Auto VIN Identification | ✓ | ✓ | ✓ |
| Bi-Directional Control | ✓ | ✓ | ✓ |
| Advanced Coding | N/A | ✓ | ✓ |
| VW & AUDI Guided Function | N/A | N/A | ✓ |
| J2534 | N/A | N/A | N/A |
| DolP/CAN FD | N/A | ✓ | ✓ |
| RP1210/D-PDU | N/A | N/A | N/A |
| Advanced Programming | N/A | N/A | N/A |
| Vehicle Coverage | Passenger Cars | Passenger Cars Medium & Light Duty Vehicles | Passenger Cars Medium & Light Duty Vehicles Heavy Duty Vehicles (Optional) |

| FEATURES | 17 | 21 |
|---|-----|----|
| Brake Reset | N/A | ✓ |
| Oil Maintenance Reset | N/A | ✓ |
| Steering Angle Reset | N/A | ✓ |
| Battery Matching | N/A | ✓ |
| ABS Bleeding | N/A | ✓ |
| Electric Throttle Relearn | N/A | ✓ |
| TPMS Reset Database | N/A | ✓ |
| DPF Regen | N/A | ✓ |
| Crank Position Sensor Adaptive Learning | N/A | ✓ |
| Immobilizer Reset | N/A | ✓ |
| Injector Coding | N/A | ✓ |
| IMMO Program | N/A | ✓ |
| Sunroof Reset | N/A | ✓ |
| Air Level Calibration | N/A | ✓ |
| Adaptive Front Lighting | N/A | ✓ |
| Gearbox Relearn | N/A | ✓ |
| Adblue Reset | N/A | ✓ |
| Coolant Bleed | N/A | ✓ |
| EGR Adaption | N/A | ✓ |
| Nox Sensor Reset | N/A | ✓ |
| Seat Occupancy Calibration | N/A | ✓ |
| Tire Reset | N/A | ✓ |
| Windows Calibration | N/A | ✓ |
| Air/Fuel Reset | N/A | ✓ |
| Stop/Start Reset | N/A | ✓ |
| Transport Mode | N/A | ✓ |
| Language Change | N/A | ✓ |
| AC System Relearn/Initialization | N/A | ✓ |
| Intelligent Cruise Control System | N/A | ✓ |
| Engine Power Balance Monitoring | N/A | ✓ |
| Gas Particulate Filter Regeneration | N/A | ✓ |
| Motor Angle Calibration | N/A | ✓ |
| High-Voltage Battery Diagnostics | N/A | ✓ |
| More Reset Service | N/A | ✓ |

| CONFIGURATION | | | | |
|------------------------------|--|--|--|--|
| Display | 10.1" / 1280*800 | 10.1" / 1280*800 | 10.1" / IPS 1920*1200 | 13.3" / 1920 x 1080 IPS |
| CPU | 2.0GHz Quad-core | 2.0GHz Quad-core | 2.0GHz Octa-core | 2.0GHz Octa-core |
| Memory | 4 GB | 4 GB | 4 GB | 8 GB |
| Storage | 64 GB | 64 GB | 128 GB | 256 GB |
| Camera | 8MP Rear | 8MP Rear | 13MP Rear + 8MB Front | 13MP Rear + 8MB Front |
| VCI Connector | Smartlink C | Smartlink C | Smartlink C | Smartlink C |
| VCI Connection | Bluetooth | Bluetooth/USB Wired | 2.4GHz & 5GHz dual WiFi | 2.4GHz & 5GHz dual WiFi |
| Battery | 47.88Wh(7.6V,6300mAh) | 47.88Wh(7.6V,6300mAh) | 9360mAh | 71.1Wh(7.6V,9360mAh) |
| Adjustable Supporting Holder | ✓ | ✓ | ✓ | ✓ |
| IP65 Waterproof & Dustproof | N/A | N/A | ✓ | ✓ |
| Quick Charge Technology | N/A | N/A | ✓ | ✓ |
| Charging Station | N/A | N/A | Optional | N/A |
| Size (mm) | 274*190.5*40.5(mm) | 317 * 202 * 53(mm) | 320 * 211 * 46(mm) | 353 * 236 * 71(mm) |
| Add-on Modules | X-431 ADAS Mobile, X-431 ADAS PRO Plus, X-431 ADAS HD, X-PROG 3, BST360, WiFi Printer, X-431 TSGUN, VSP600 Videoscope, O2-2 Oscilloscope, S2-2 Sensorbox | X-431 ADAS Mobile, X-431 ADAS PRO Plus, X-431 ADAS HD, X-PROG 3, BST360, WiFi Printer, X-431 TSGUN, VSP600 Videoscope, O2-2 Oscilloscope, S2-2 Sensorbox, HDIII Add-on | X-431 ADAS Mobile, X-431 ADAS PRO Plus, X-431 ADAS HD, X-PROG 3, BST360, WiFi Printer, X-431 TSGUN, VSP600 Videoscope, O2-2 Oscilloscope, S2-2 Sensorbox | X-431 ADAS Mobile, X-431 ADAS PRO Plus, X-431 ADAS HD, X-PROG 3, BST360, WiFi Printer, X-431 TSGUN, VSP600 Videoscope, O2-2 Oscilloscope, S2-2 Sensorbox |

| FEATURES | | | | |
|-------------------------------|--|--|--|--|
| Operating System | Android™ 10.0 | Android™ 10.0 | Android™ 7.1 | Android™ 9.0 |
| Full System Diagnosis | ✓ | ✓ | ✓ | ✓ |
| OBD II Full Function | ✓ | ✓ | ✓ | ✓ |
| Tech-to-Tech Remote Diagnosis | ✓ | ✓ | ✓ | ✓ |
| Smartlink Remote Diagnosis | ✓ | N/A | ✓ | ✓ |
| Auto VIN Identification | ✓ | ✓ | ✓ | ✓ |
| Bi-Directional Control | ✓ | ✓ | ✓ | ✓ |
| Advanced Coding | ✓ | ✓ | ✓ | ✓ |
| VW & AUDI Guided Function | ✓ | ✓ | ✓ | ✓ |
| J2534 | ✓ | N/A | ✓ | ✓ |
| DolP/CAN FD | ✓ | ✓ | ✓ | ✓ |
| RP1210/D-PDU | ✓ | ✓ | ✓ | ✓ |
| Advanced Programming | ✓ | ✓ | ✓ | ✓ |
| Vehicle Coverage | Passenger Cars Medium & Light Duty Vehicles Heavy Duty Vehicles (Optional) | Passenger Cars Medium & Light Duty Vehicles Heavy Duty Vehicles (Optional) | Passenger Cars Medium & Light Duty Vehicles Heavy Duty Vehicles (Optional) | Passenger Cars Medium & Light Duty Vehicles Heavy Duty Vehicles (Optional) |

| FEATURES | 21 | 22 | 27 | 33 |
|---|-----|----|----|----|
| Brake Reset | ✓ | ✓ | ✓ | ✓ |
| Oil Maintenance Reset | ✓ | ✓ | ✓ | ✓ |
| Steering Angle Reset | ✓ | ✓ | ✓ | ✓ |
| Battery Matching | ✓ | ✓ | ✓ | ✓ |
| ABS Bleeding | ✓ | ✓ | ✓ | ✓ |
| Electric Throttle Relearn | ✓ | ✓ | ✓ | ✓ |
| TPMS Reset Database | ✓ | ✓ | ✓ | ✓ |
| DPF Regen | ✓ | ✓ | ✓ | ✓ |
| Crank Position Sensor Adaptive Learning | ✓ | ✓ | ✓ | ✓ |
| Immobilizer Reset | ✓ | ✓ | ✓ | ✓ |
| Injector Coding | ✓ | ✓ | ✓ | ✓ |
| IMMO Program | ✓ | ✓ | ✓ | ✓ |
| Sunroof Reset | ✓ | ✓ | ✓ | ✓ |
| Air Level Calibration | ✓ | ✓ | ✓ | ✓ |
| Adaptive Front Lighting | ✓ | ✓ | ✓ | ✓ |
| Gearbox Relearn | ✓ | ✓ | ✓ | ✓ |
| Adblue Reset | ✓ | ✓ | ✓ | ✓ |
| Coolant Bleed | N/A | ✓ | ✓ | ✓ |
| EGR Adaption | ✓ | ✓ | ✓ | ✓ |
| Nox Sensor Reset | ✓ | ✓ | ✓ | ✓ |
| Seat Occupancy Calibration | ✓ | ✓ | ✓ | ✓ |
| Tire Reset | ✓ | ✓ | ✓ | ✓ |
| Windows Calibration | ✓ | ✓ | ✓ | ✓ |
| Air/Fuel Reset | ✓ | ✓ | ✓ | ✓ |
| Stop/Start Reset | ✓ | ✓ | ✓ | ✓ |
| Transport Mode | ✓ | ✓ | ✓ | ✓ |
| Language Change | ✓ | ✓ | ✓ | ✓ |
| AC System Relearn/Initialization | ✓ | ✓ | ✓ | ✓ |
| Intelligent Cruise Control System | ✓ | ✓ | ✓ | ✓ |
| Engine Power Balance Monitoring | ✓ | ✓ | ✓ | ✓ |
| Gas Particulate Filter Regeneration | ✓ | ✓ | ✓ | ✓ |
| Motor Angle Calibration | ✓ | ✓ | ✓ | ✓ |
| High-Voltage Battery Diagnostics | ✓ | ✓ | ✓ | ✓ |
| More Reset Service | ✓ | ✓ | ✓ | ✓ |
| Via Smartlink Remote Diagnosis | ✓ | ✓ | ✓ | ✓ |

ONE IS ENOUGH

The X-431 PAD VII is an amazing high-end diagnostic tool from LAUNCH, which comes with ADAS calibration functions, 33 service functions, TPMS services and other extended modules functions. The NEW Smartlink C VCI gives technicians a new level of diagnostic functionality. You are no longer limited by the functions of your tool, or the vehicle type when connected through Smartlink Remote Diagnosis.



TOPOLOGY MAPPING
SMARTER DIAGNOSIS

SMARTLINK C
SMARTLINK REMOTE DIAGNOSIS

WIDE VEHICLE COVERAGE
110+ MAKES

FEATURES

- Topology mapping lets you visual check the DTCs and all systems communication status. **NEW**
- Enables you to diagnose light, medium & heavy duty (optional) vehicles with the SmartLink C. **NEW**
- Auto-detects the communication protocol of the vehicle to check if there is any OBDII port pins damaged or not.
- 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.
- Supports automotive communication protocols CAN/CANFD/DoIP and automotive communication standards J2534/D-PDU/RP1210.
- 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.
- Advanced coding and programming functions.
- 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.

33 SERVICE FUNCTIONS



ADD-ON MODULES



SPECIFICATION

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

ADVANCED DIAGNOSTIC SCANNER

The X-431 PAD V V2.0 is a high-end professional diagnostic tool with a optional charging base newly developed on the basis of Android 7.1 open system. It comes with ADAS calibration functions, 27 service functions, TPMS services and other extended modules functions. The IP65 case is waterproof and dustproof to best protect the scan tool to use longer. All these unique features will offer you a luxury experience of vehicle diagnosis.



INTELLIGENT DIAGNOSTICS
ANDROID 7.1(OPEN SYSTEM)

SMARTLINK C
SMARTLINK REMOTE DIAGNOSIS

WIDE VEHICLE COVERAGE
110+ MAKES

FEATURES

- Enables you to diagnose light, medium & heavy duty(optional) vehicles with the SmartLink C. **NEW**
- Full system vehicle coverage for U.S., Asian and European markets 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.
- Supports automotive communication protocols CAN/CANFD/DoIP and automotive communication standards J2534/D-PDU/RP1210.
- Auto-detects the communications protocol of the vehicle to check if there is any OBDII port pins damaged or not.
- Intelligent diagnostic enables automatic VIN identity to automatically access systems quickly.
- Intelligent and local diagnostic, which include full diagnostic functions, such as read/clear DTC, live data streaming, actuation test, coding, programing, etc.
- Guided functions for Volkswagen and Audi.
- Optional ADAS calibration function increases more revenue.
- Advanced coding and programming functions.
- 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.

27 SERVICE FUNCTIONS



ADD-ON MODULES



SPECIFICATION

| | |
|-----------------------|--------------------------|
| OS | Android 7.1(open system) |
| DISPLAY | 10.1", 1920*1200 |
| CPU | 2.0GHz, Octa-core |
| RAM | 4GB |
| STORAGE | 128GB |
| BATTERY | 9360mAh |
| CAMERA | Rear 13MP,Front 8MP |
| VCI CONNECTION | 2.4GHz/5GHz dual WIFI |
| DIMENSION | 320*211*46(mm) |
| INTERFACE | TYPE A*1 & TYPE C*1 |

THE PREMIUM DIAGNOSTIC TOOL

The X-431 PAD III V3.0 is an advanced and powerful scanner with a higher version OS, larger memory and storage and longer battery life to make diagnostic faster, more stable and more durable. Within the DoIP cable included in the package and the brand new design VCI DBSCar VII, the end-user has no need to purchase it additionally to carry corresponding diagnostic business.



INTELLIGENT DIAGNOSTICS
AUTO VIN IDENTIFICATION

HIGH PERFORMANCE BATTERY
47.88WH(7.6V,6300MAH)

WIDE VEHICLE COVERAGE
110+ MAKES

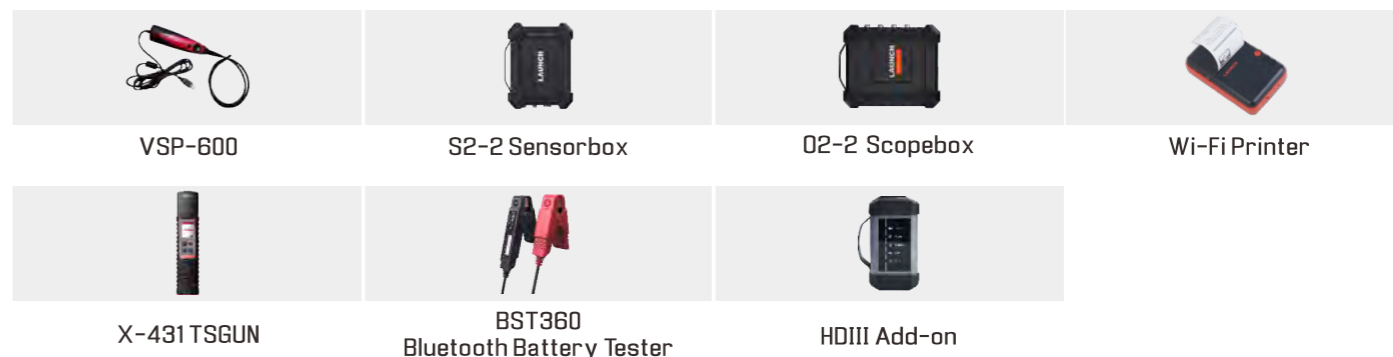
FEATURES

- CAN FD and DoIP supported with DBSCar VII. **NEW**
- Wireless communication offers flexible and easy connections for diagnostics. A cabled connection offers a fast and stable connection for advanced work like coding. **NEW**
- Full system vehicle coverage for U.S., Asian and European markets 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.
- Intelligent and local diagnostic, which include full diagnostic functions, such as read/clear DTC, live data streaming, actuation test, coding, etc.
- Guided functions for Volkswagen and Audi. (Support a total of over 30,000 functions for VW 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.

22 SERVICE FUNCTIONS



ADD-ON MODULES



SPECIFICATION

| | |
|-----------------------|-----------------------|
| OS | Android 10.0 |
| DISPLAY | 10.1", 1280*800 |
| CPU | 2.0GHz, Quad-core |
| RAM | 4GB |
| STORAGE | 64GB |
| BATTERY | 6300mAh |
| CAMERA | Rear 8MP |
| VCI CONNECTION | Bluetooth/USB Wired |
| DIMENSION | 317*202*53(mm) |
| INTERFACE | TYPE A *1 & TYPE C *1 |

DUAL DIAGNOSTIC MODE SCANNER

With the innovative revolution of intelligent diagnosis, the X-431 PRO5 V2.0 takes dual diagnostic modes (local diagnosis and SmartLink remote diagnosis). It not only inherits the powerful diagnostic strength of PRO series, but also supports SmartLink remote diagnosis which expands diagnostic functions with high-end X-431 scanners, third party scanners and OE software.



INTELLIGENT DIAGNOSTICS
AUTO VIN IDENTIFICATION

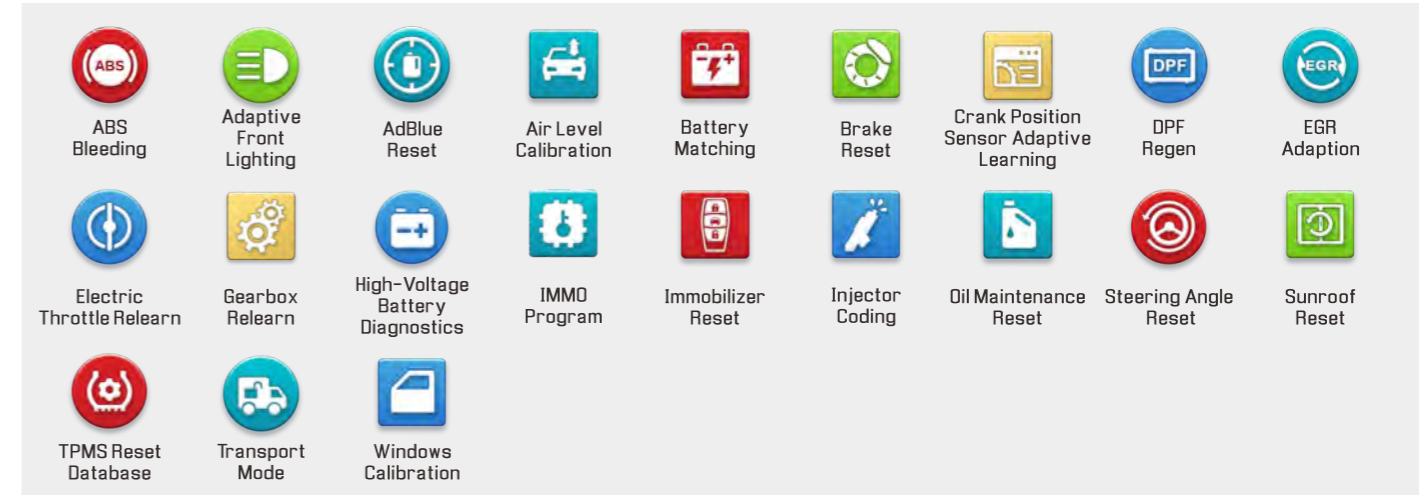
SMARTLINK C
SMARTLINK REMOTE DIAGNOSIS

WIDE VEHICLE COVERAGE
110+ MAKES

FEATURES

- Enables you to diagnose light, medium & heavy duty (optional) vehicles with SmartLink C. **NEW**
- Full system vehicle coverage for U.S., Asian and European markets 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.
- Intelligent and local diagnostic, which include full diagnostic functions, such as read/clear DTC, live data streaming, actuation test, coding, etc.
- Guided functions for Volkswagen and Audi. (Support a total of over 30,000 functions for VW and AUDI)
- Optional ADAS calibration function increases more revenue.
- Advanced coding and programming function.
- 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.

21 SERVICE FUNCTIONS



ADD-ON MODULES



SPECIFICATION

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

CONSUMER CHOICE FOR YEARS

Brand-new design with 10.1 inches sunlight readable gorilla glass screen and DOIP/CAN FD functions, X-431 PRO3 V5.0 is always the better choice for customers.



FASTER & SMARTER
ANDROID 10.0, 4GB+64GB

NEW VCI WITH DBSCAR VII
CAN FD AND DOIP SUPPORTED

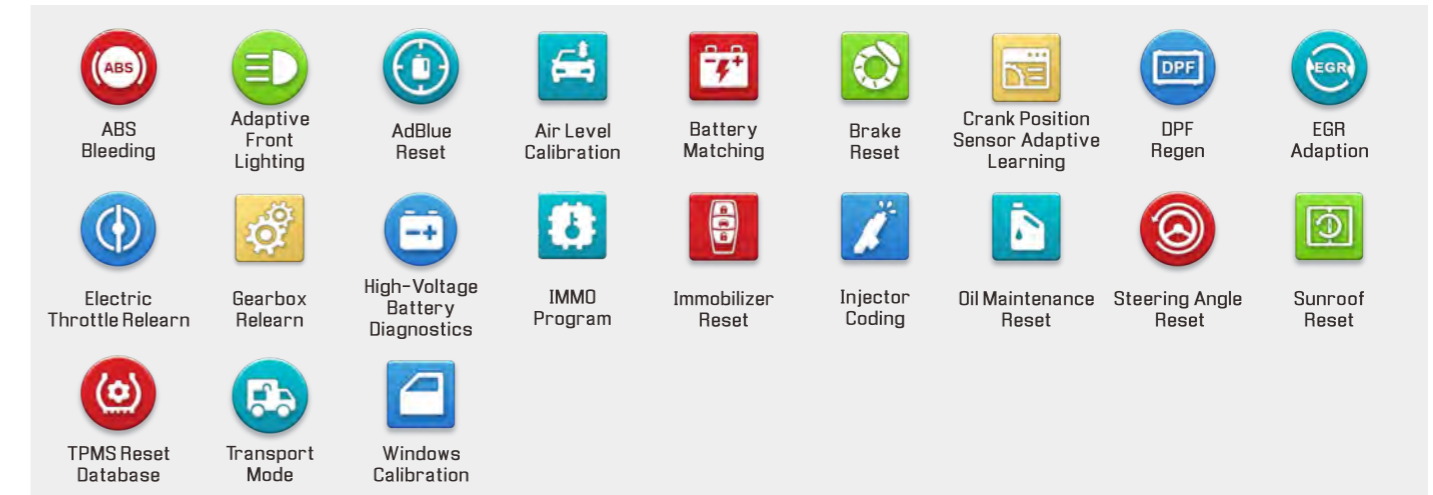
WIDE VEHICLE COVERAGE
110+ MAKES

FEATURES

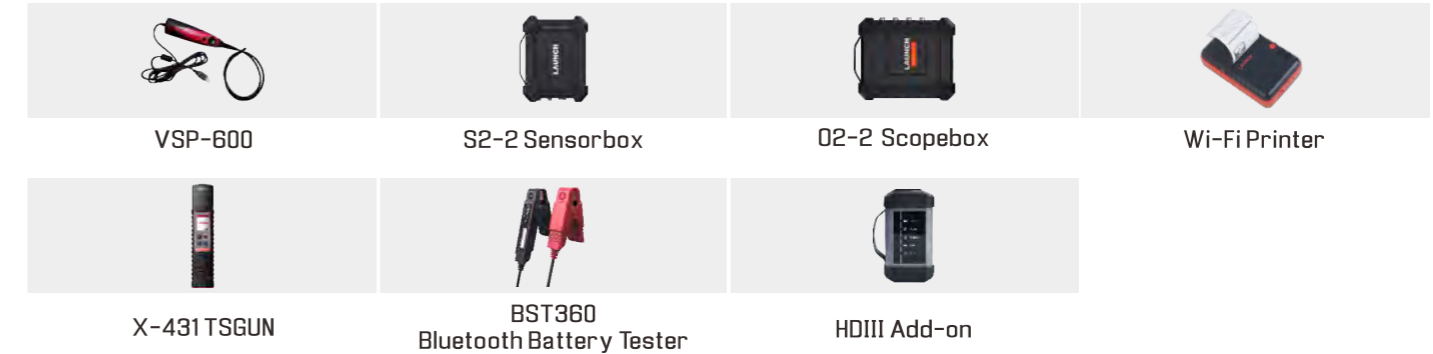
- New diagnostic VCI for DBSCar VII supports more communication protocols, such as CAN, CANFD, DoIP*, etc. **NEW**
- Wireless communication offers flexible and easy connections for diagnostics. A cabled connection offers a fast and stable connection for advanced work like coding. **NEW**
- Full system vehicle coverage for U.S., Asian and European markets over 110 manufacturers. The vehicle coverage is continuously updating to cover more.
- A total of over 30,000 guided functions for VW and AUDI are supported.
- Full diagnostic functionality includes comprehensive OBDII diagnostics, read/clear DTCs, bi-directional control, remote diagnosis, live data streaming, coding, etc.
- Optional ADAS calibration function increases more revenue.
- Expand the diagnostic functionalities of X-431PRO3 V5.0 via the "Mall" online. **MALL**
- 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.
- Built-in repair information and training videos help to track and fix issues fast.

* Need an extra DoIP cable.

21 SERVICE FUNCTIONS



ADD-ON MODULES



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 |

BEST SELLER FOR YEARS

Brand-new design with DOIP/CAN FD functions, X-431 PRO V5.0 is always the better choice for entry-level technicians.



FASTER & SMARTER
ANDROID 10.0, 4GB+64GB

NEW VCI WITH DBSCAR VII
CAN FD AND DOIP SUPPORTED

WIDE VEHICLE COVERAGE
110+ MAKES

FEATURES

- New diagnostic VCI for DBSCar VII supports more communication protocols, such as CAN, CANFD, DoIP*, etc. **NEW**
- Wireless communication offers flexible and easy connections for diagnostics. A cabled connection offers a fast and stable connection for advanced work like coding. **NEW**
- Full system vehicle coverage for U.S., Asian and European markets over 110 brands. The vehicle coverage is continuously updating to cover more.
- Full diagnostic functionality includes comprehensive OBDII diagnostics, read/clear DTCs, bi-directional control, remote diagnosis, live data streaming, coding, etc.
- Optional ADAS calibration function increases more revenue.
- Expand the diagnostic functionalities of X-431 PRO V5.0 via the "Mall" online. **MALL**
- 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.
- Built-in repair information and training videos help to track and fix issues fast.
- 17 Service Functions: Oil Maintenance Reset, Immobilizer Reset, Steering Angle Reset, IMMO Program, Electronic Throttle Relearn, Battery Matching, TPMS Reset Database, DPF Regeneration, Brake Reset, Injector Coding, ABS Bleeding, Crank Position Sensor Adaptive Learning, Gearbox Relearn, Adblue Reset, EGR Adaption, Transport Mode, Windows Calibration.
- Other Add-on Modules include O2-2 Scopebox, S2-2 Sensorbox, X-431 TSGUN, VSP600, BST360 and WIFI Printer.

* Need an extra DoIP cable.

SPECIFICATION

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

ENTRY-LEVEL PRO SCAN TOOL

The X-431 PRO LITE V3.0 is a multi-functional diagnostic tool offering full functionality on all vehicle modules and complete diagnostic functions, which perfectly satisfies the demands of small repair shops, auto-body shops and at-home enthusiasts and technicians.



FULL SYSTEM

FULL FUNCTIONALITY

FULL OBD DIAGNOSTICS

FEATURES

- Wireless VCI communication via Bluetooth.
- OE-Level vehicle coverage for Asian, European and U.S. makes and models.
- Intelligent diagnose all ECU modules and generate full system health reports for sharing and analysis.
- Full OBD II functionality for 10 OBDII test modes.
- Read and erase DTCs for full systems.
- OE-Level bi-directional functionality.
- Auto detect vehicle VIN for identifying the vehicle's make, model and year information rapidly.
- Software update via WIFI.
- Multilingual menu and code definitions: English, French, Spanish, German, Italian, Russian, Portuguese, Japanese, Korean and Traditional Chinese.

SPECIFICATION

| | | | |
|----------------|-------------------|-----------------------|-------------------------|
| OS | Android 7.0 | BATTERY | 6100mAh Lithium Battery |
| DISPLAY | 7", 1024*600 | VCI | DBScar IV |
| CPU | 1.5GHz, Quad-Core | VCI CONNECTION | Bluetooth |
| RAM | 2GB | DIMENSION | 246*139.5*34(mm) |
| STORAGE | 32GB | | |

COMMERCIAL VEHICLE DIAGNOSTIC

X-431 PRO3 V5.0 HD is an intelligent diagnostic tool that perfect for repair shops who work on cars and trucks from 12V to 24V.



FEATURES

- Automatically identify vehicle VINs.
- 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
- 13 Service Functions: Reset Service(MIL), Maintenance Confirmation, Injection Quantity Adjustment, Particulate Filter Replacement Reset, Reset Pressure Differential Sensor, Injector Coding, Reset Pressure Limiting Valve Bleeding, The Adblue Circuit, Trip Reset, VGT Electronic Actuator Installation and Calibration, DPF Regeneration, Parked SCR Efficiency Test, DPF Ash Accumulator Reset.
- 14 Calibration Functions: Idle Speed Adjustment, Speed Limit, Cruise Control, Idle-stop System, PTO, Coolant Level Switch, Exhaust Brake Valve, Intake Air Preheating, Vehicle Speed Controller, Air Conditioner, Oil Pressure Sensor, Electronic Fan, ABS, Automatic Transmission.

TRUCKS COVERAGE THIS LIST IS CONTINUOUSLY UPDATING.

Mercedes-Benz, Man, Volvo, Daf, Scania, Iveco, Renault, Freightliner, International, Kenworth, Peterbilt, Sterling, Western Star, Mack, Hino, Fuso, Isuzu, UD, etc.

SPECIFICATION

| Item | X-431 PRO3 V5.0 | Item | X-431 HDIII |
|----------------|-----------------------|--------------------------|------------------------------|
| OS | Android 10.0 | CPU | 120MHz |
| DISPLAY | 10.1", 1280*800 | Power Consumption | ≤3W |
| CPU | 2.0GHz, Quad-Core | Input Voltage | 9 - 36V |
| RAM | 4GB | Working Temperature | 0°C - 50°C |
| STORAGE | 64GB | Diagnostic Communication | Bluetooth/WIFI/USB |
| BATTERY | 47.88Wh(7.6V,6300mAh) | Dimension | 204*110*45(mm) |
| CAMERA | Rear 8MP | INTERFACE | Type-B *1 & DC-IN*1 & DB15*1 |
| VCI CONNECTION | 2.4GHz/5GHz | | |
| DIMENSION | 274*190.5*40.5(mm) | | |
| INTERFACE | TYPE A *1 & TYPE C *1 | | |

DIAGNOSING FROM A THOUSAND MILES AWAY



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.

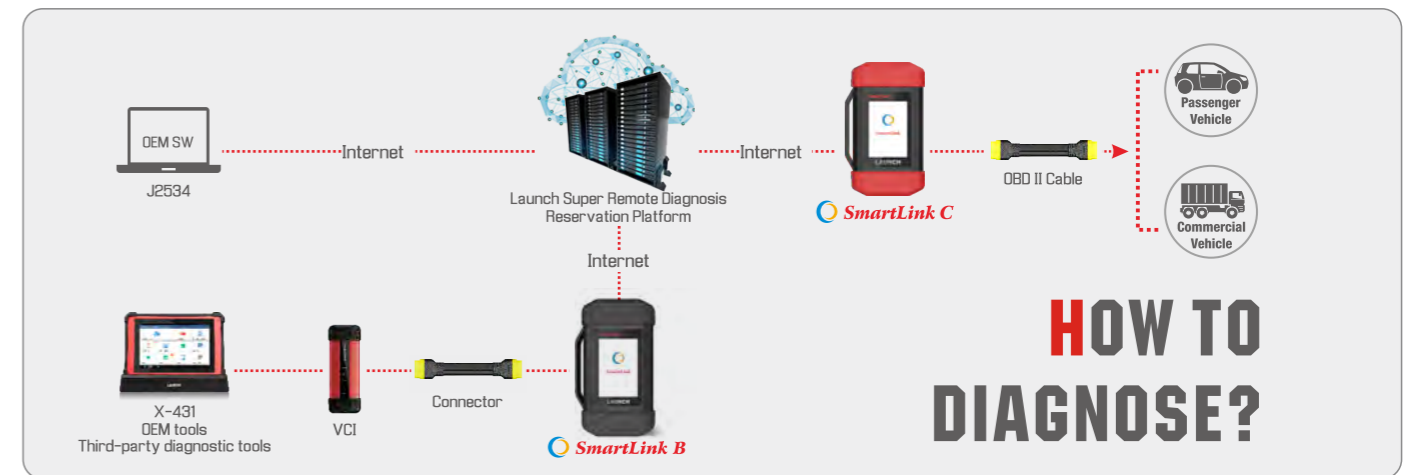
DIAGNOSIS

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 J2534, DoIP, CAN FD, CAN 2.0, RP1210, D-PDU.
- Publish request and accept offer from Launch Super Remote Diagnosis Reservation Platform.



HOW TO DIAGNOSE?

HEAVY DUTY MODULE

An intelligent VCI (Vehicle Communication Interface) for cars and trucks from 12V to 24V, supports USB, Bluetooth, and WiFi connection. It has more powerful functions to be discovered by working with X-431PAD III V3.0 and X-431PRO3 V5.0.



FEATURES

- Diagnostic functions include read & clear DTCs for full system, read data streams, support bi-directional controls and actuation test, etc.
- Full comprehensive HD truck diagnostic software functions.
- Support USB, Bluetooth and WiFi connection.
- For cars and trucks from 12V to 24V.
- Strong stability and high speed.
- Various connectors and cables are included to fit different vehicle models.

13 SERVICE FUNCTIONS

- Reset Service(MIL)
- Maintenance Confirmation
- Injection Quantity Adjustment
- Particulate Filter Replacement Reset
- Reset Pressure Differential Sensor
- Injector Coding
- Reset Pressure Limiting Valve Bleeding
- The Adblue Circuit
- Trip Reset
- VGT Electronic Actuator Installation and Calibration
- DPF Regeneration
- Parked SCR Efficiency Test
- DPF Ash Accumulator Reset

14 CALIBRATION FUNCTIONS

- Idle Speed Adjustment
- Speed Limit
- Cruise Control
- Idle-stop System
- PTO
- Coolant Level Switch
- Exhaust Brake Valve
- Intake Air Preheating
- Vehicle Speed Controller
- Air Conditioner
- Oil Pressure Sensor
- Electronic Fan
- ABS
- Automatic Transmission

SPECIFICATION

| | |
|--------------------------|------------------------------|
| CPU | 120MHz |
| Power Consumption | ≤3W |
| Input Voltage | 9 - 36V |
| Working Temperature | 0°C - 50°C |
| Diagnostic Communication | Bluetooth/WIFI/USB |
| Dimension | 204*110*45(mm) |
| Interface | Type-B *1 & DC-IN*1 & DB15*1 |

TRUCKS COVERAGE

Mercedes-Benz, Man, Volvo, Daf, Scania, Iveco, Renault, Freightliner, International, Kenworth, Peterbilt, Sterling, Western Star, Mack, Hino, Fuso, Isuzu, UD, etc.

This list is continuously updating.

COMPLICATED ELECTRICAL FAULTS? SOLVED

Featuring a new design and upgraded hardware, the LAUNCH 02-2 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 02-2 application, the 02-2 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 |
| Rising 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 (1 channel), 1ns~1ks (2 channels), 1ns~1ks (4 channels) |
| Vertical Resolution | 8bits |
| 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 |

MINI, PORTABLE AND ULTRALIGHT

Introducing a sleek and ergonomic printer will go for your Launch X-431 scan tools. Print codes and their definitions, along with live data, coding information and relearn procedures-any screen that has a "Print" button can now be printed! It fits right in your pocket and makes printing fast and easy!



X-431 series diagnostic tools



FEATURES

- No PC printer necessary for printing.
- Print codes, code definitions, module information, live data, coding information, diagnostic procedures, etc.
- Autoload and feed printer design.
- Highly portable, sleek, ergonomic and lightweight design.
- Rechargeable lithium-ion battery lasts days on a single charge.
- Automatic battery charge indicator.

SUBSCRIPTION RENEWAL CARD

Develop your 2022 repair business with the latest diagnostic software by upgrading the Subscription Renewal Card.



HOW TO GET UPDATED

- 1 Get access to X-431 application
- 2 Get access to "Software Upgrade/Update"
- 3 Press "Renewal" to select renewal type
- 4 Select "Subscription Renewal Card", input the pin code and submit



Only for the Launch products.

INTELLIGENT IMMO & KEY PROGRAMMING

- Key Matching
- ECU Erasing
- Anti-theft Modules Replacement
- Anti-theft Password Reading



X-431 IMMO PAD



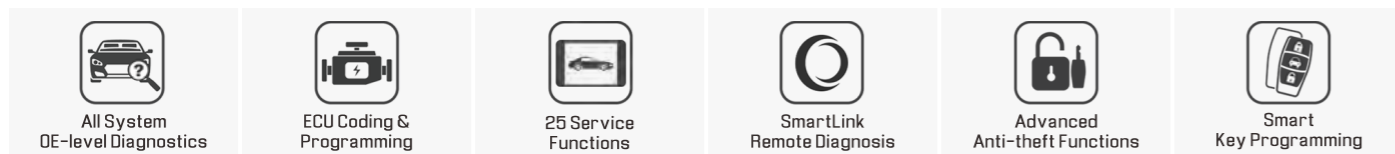
X-431 IMMO PRO



X-PROG 3

ALL-IN-ONE KEY PROGRAMMING & ADVANCED DIAGNOSTIC

X-431 IMMO PAD is a 2022 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.



INTELLIGENT DIAGNOSTICS
ALL SYSTEMS OE-LEVEL DIAGNOSTICS

IMMO & KEY PROGRAMMING
ADVANCED CODING AND PROGRAMMING

25 SERVICE FUNCTIONS
MORE COVERAGE VIA MALL

FEATURES

- Advanced ECU cloning included and supports ECU for BOSCH, SIEMENS, CONTINENTAL, ZF, GETRAG, TEMIC, etc. **NEW**
- 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/D-PDU/RP1210 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. **MALL**
- 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.

25 SERVICE FUNCTIONS



ADD-ON MODULES

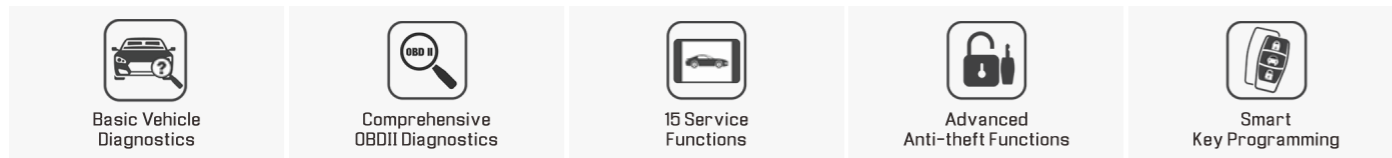


SPECIFICATION

| | |
|-----------|----------------------|
| OS | Android 7.1 |
| DISPLAY | 10.1", 1920*1200 |
| CPU | 2.0GHz, Octa-Core |
| RAM | 4GB |
| STORAGE | 64GB |
| BATTERY | 9360mAh |
| CAMERA | Front 8MP, Rear 13MP |
| WIFI | 2.4GHz/5GHz |
| DIMENSION | 320*211*46 (mm) |
| INTERFACE | TYPE A*1 & TYPE C*1 |

COMPLETE KEY PROGRAMMING & DIAGNOSTIC SOLUTION

X-431 IMMO PRO is a 2022 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).



INTELLIGENT DIAGNOSTICS
BASIC DIAGNOSTICS INCLUDED

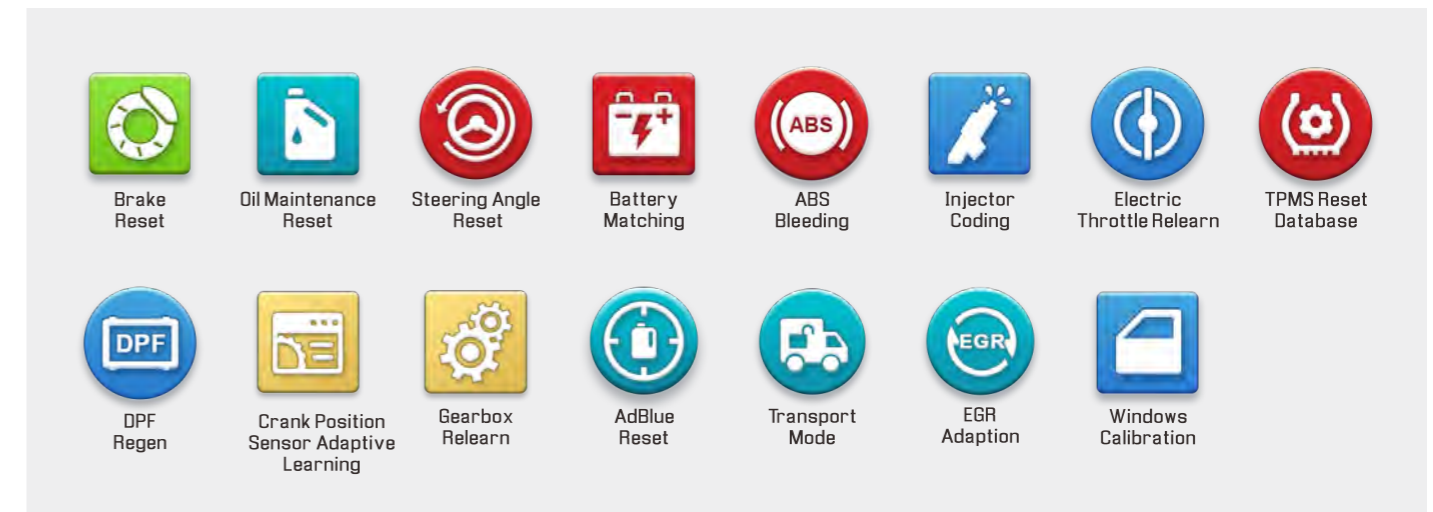
15 SERVICE FUNCTIONS
MORE COVERAGE VIA MALL

FEATURES

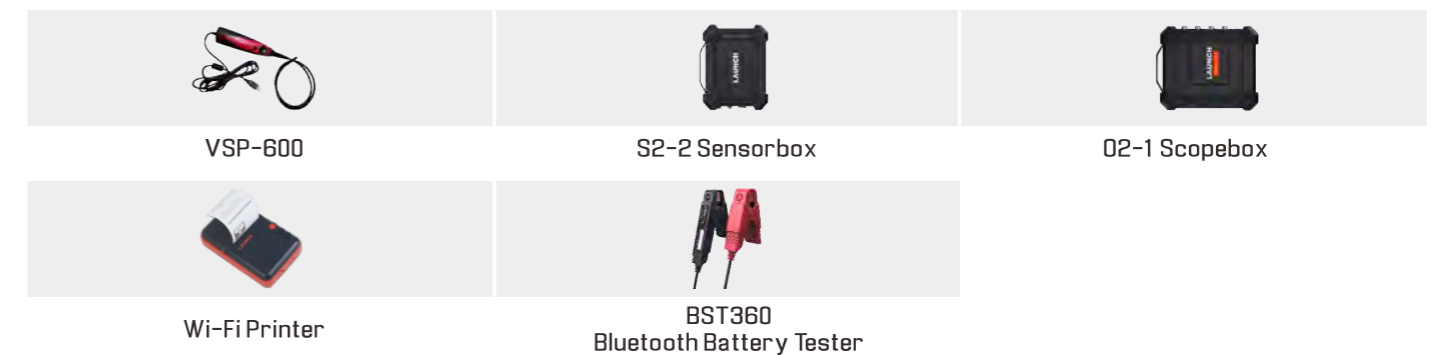
- Advanced ECU cloning included and supports ECU for BOSCH, SIEMENS, CONTINENTAL, ZF, GETRAG, TEMIC, etc. **NEW**
- Complete IMMO & Programming service works with the "IMMO" software for 50+ makes and the "IMMO PROG" software for 1000+ MCU/ECU models & 1000+ EEPROM models.
- IMMO functions include Key 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), tech-to-tech remote diagnosis, live data streaming, etc.
- CANFD and DoIP* communication protocols are supported with DBSCar VII. (An extra cable is required for DoIP.)
- 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.

* Need an extra DoIP cable.

15 SERVICE FUNCTIONS



ADD-ON MODULES



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 |
| WIFI | 2.4GHz/5GHz |
| DIMENSION | 234*166*39.5 (mm) |
| INTERFACE | TYPE A *1&TYPE C *1 |

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.



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 Volkswagen's 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.

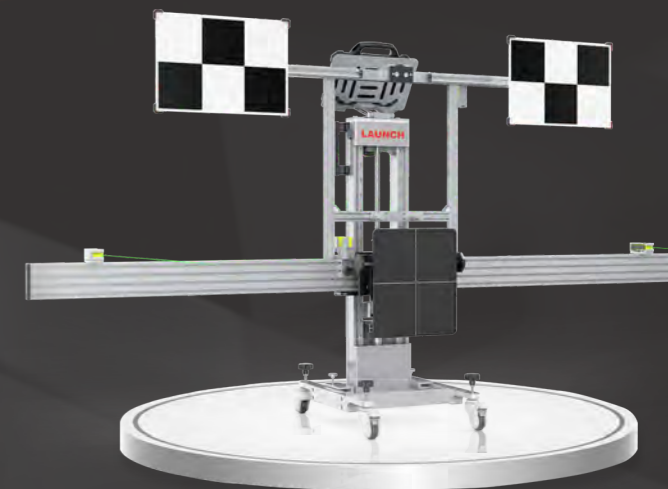
SPECIFICATION

| | |
|----------------------|--------------|
| INTERFACE | Db26, DB15 |
| INPUT POWER | DC 12V |
| WORKING CURRENT MAX. | 500mA |
| POWER CONSUMPTION | 5W |
| STORAGE TEMPERATURE | -20°C~ 70°C |
| WORKING TEMPERATURE | 0°C~ 50°C |
| SIZE | 228 x 120 mm |

MAKE SMART ADAS CALIBRATION EVEN SMARTER



X-431 ADAS MOBILE



X-431 ADAS PRO PLUS



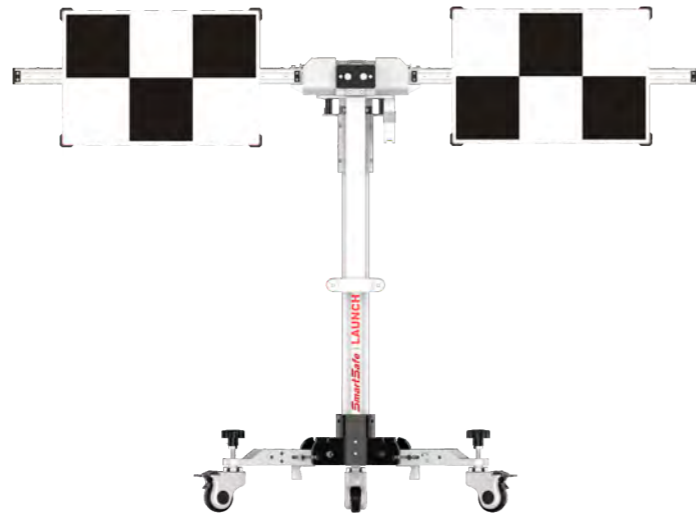
X-431 ADAS HD

ADAS Calibration



MAKE SMART ADAS CALIBRATION EVEN SMARTER

Introducing the ultra portable ADAS calibration solution featuring OE standard targets and advanced ADAS software, the X-431 ADAS Mobile provides a one-stop calibration service. The tower frame features two arms and a retractable base. The X-431 ADAS Mobile is compact and fits into the trunk of a mid-size vehicle. ADAS calibration can be initialized within seconds, guided by a Launch X-431 diagnostic scan tool. This ADAS process is streamlined for usability and practicality.



FEATURES

- No installation required, it can be used straight out of the box.
- The base and arms are both foldable. After the calibration has been completed, it could be perfectly placed into the car trunk.
- Laser-shooting positioning and measurement best guarantees accuracy and efficiency in the comprehensive calibration process.
- Tap the ADAS icon on the main menu of a LAUNCH scan tool to enter the calibration procedure directly with automatically VIN code recognition.
- The professional diagnostic software with a Launch scan tool provides detailed graphic operating instructions to help users quickly know how to complete calibration well step by step.
- Various ADAS calibration systems are supported, including LDW, ACC, RCW, AVM, BSD, NVS, etc.

ULTRA-HIGH PRECISE ADAS CALIBRATION

X-431 ADAS PRO PLUS is a new generation of ADAS calibration equipment for passenger vehicles. This product uses ultra-high precision for fast positioning and simple operation. The body of X-431 ADAS PRO PLUS is made from an upgraded aluminum alloy material, which ensures the product is durable and will not rust or develop signs of corrosion.



FEATURES

- Millimeter precision laser range-finder for accurate measurements. No need for tape measurements anymore.
- Electric lifting and manual adjustment for fast and portable operation.
- Multi-directional fine-tuning is supported without moving the calibration tool, including forward/backward, left/right and horizon directions, getting parallelized and centralized within 1 minute.
- The professional diagnostic software on a Launch scan tool provides detailed step by step instructions to help users quickly perform calibrations correctly.
- The upgraded aluminum alloy frame makes the calibration tool more durable.
- The OE standard targets are compatible with the X-431 ADAS Mobile calibration tool's.
- Various ADAS calibration systems are supported, including LDW, ACC, RCW, AVM, BSD, NVS, etc.

Lane Departure Warning (LDW)

| | | | | | | |
|--------------------------|------------------------------|------------------------------|------------------------------------|-------------------------------------|--------------------------|-------------------------|
| LAM01-11 Alfa Romeo | LAM01-04-L Honda I | LAM01-04-R Honda I | LAM01-17 Honda II | LAM01-20 Honda III | LAM01-09 Hyundai/Kia | LAC01-13 Hyundai/Kia |
| LAM01-10 Mazda I | LAM01-16-L Mazda II | LAM01-16-R Mazda II | LAM01-01 Mercedes | LAM01-19-L Mitsubishi | LAM01-19-R Mitsubishi | LAM01-07-L Nissan I |
| LAM01-07-R Nissan I | LAM01-12-L Nissan/Renault | LAM01-12-R Nissan/Renault | LAM01-23-L Sprinter-LDW | LAM01-23-R Sprinter-LDW | LAM01-15 Subaru I | LAM01-21 Subaru-LDW |
| LAM01-18-L Suzuki | LAM01-18-R Suzuki | LAM01-25 Suzuki-LDW | LAM09-08 Target Extension Rod I | LAM09-09 Target Extension Rod II | LAM01-06-1 Toyota I | LAM01-06-2 Toyota II |
| LAM01-06-3 Toyota III | LAM01-02 VW | | | | | |

Around View Monitoring (AVM)/Rear Collision Warning (RCW)

| | | | | | | |
|----------------------------|-----------------------------|-----------------------------|----------------------------|--------------------------|-------------------------|------------------------------|
| LAC04-21-1 Baic-AVM | LAC04-21-2 Baic-AVM | LAC04-19-1 BYD-AVM | LAC04-19-2 BYD-AVM | LAC04-06 Cadillac-AVM | LAC04-22-1 Chery-AVM | LAC04-22-2 Chery-AVM |
| LAC04-22-3 Chery-AVM | LAC04-22-4 Chery-AVM | LAC04-07 Ford-AVM | LAC04-27 Haval-AVM | LAC04-01 Honda-AVM | LAC04-02 Honda-AVM | LAC04-17 Honda-Lane Watch |
| LAC04-12-01 Hyundai-AVM | LAC04-12-02 Hyundai-AVM | LAC04-26-1 JAC-AVM | LAC04-26-2 JAC-AVM | LAC04-26-3 JAC-AVM | LAC04-26-4 JAC-AVM | LAC04-23 Lynk&Co-AVM |
| LAC02-02 Mercedes-RCW | LAC04-08-01 Mercedes-RFK | LAC04-08-02 Mercedes-RFK | LAC04-13 Mitsubishi-AVM | LAC04-11 Nissan-RCW | LAC04-15 Nissan-RCW | LAC04-24 Nissan-RCW |
| LAC04-10-01 Renault-AVM | LAC04-10-02 Renault-AVM | LAC04-18 Saic Roewe-AVM | LAC04-20-1 SGMW-AVM | LAC04-20-2 SGMW-AVM | LAC04-20-3 SGMW-AVM | LAC04-16-1 Toyota-AVM |
| LAC04-16-2 Toyota-AVM | LAC04-16-3 Toyota-AVM | LAC04-16-4 Toyota-AVM | LAC04-25 Toyota-RCW | LAC02-03 VW-RCW | LAC04-04 VW-RCW | LAC04-14 VW-RCW |

Night Vision System(NVS)

| | |
|------------------------|----------------------|
| LAC06-01 Audi/GM/VW | LAC06-02 Mercedes |
|------------------------|----------------------|

Adaptive Cruise Control (ACC)/Blind Spot Detection (BSD)

| | | | |
|---------------------|---------------------------|------------------------------|-------------------------------|
| LAC05-06 Audi/VW | LAC05-02 ACC Reflector | LAC05-03 Corner Reflector | LAC05-04 Doppler Simulator |
|---------------------|---------------------------|------------------------------|-------------------------------|

AVM

| |
|---------------------------|
| LAC04-05-2 Porsche-AVM |
|---------------------------|

APPLICABLE SCAN TOOLS

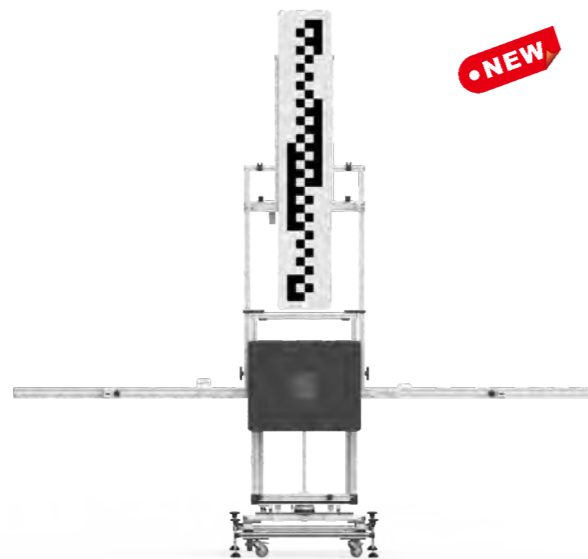
| | | | | | |
|---------------|-----------------|-----------------|-------------------|-----------------|--------------|
| X431 PRO V5.0 | X431 PRO 3 V5.0 | X431 PRO 5 V2.0 | X431 PAD III V3.0 | X431 PAD V V2.0 | X431 PAD VII |
|---------------|-----------------|-----------------|-------------------|-----------------|--------------|

VEHICLE COVERAGE




| ASIAN | EUROPEAN | AMERICAN |
|---|--|---|
| Kia, Hyundai, Toyota, Lexus, Honda, Acura, Nissan, Infiniti, Mitsubishi, Subaru, Suzuki, Daihatsu, Mazda, and more. | Mercedes-Benz, BMW, Audi, Volkswagen, Land Rover, Jaguar, Volvo, Fiat, Opel, Seat, Skoda, Renault, Citroen, Smart, Mini, Peugeot, Porsche, and more. | GM, Ford, Chrysler, Buick, Cadillac, Chevrolet, Dodge, Jeep, Lincoln, and more. |

PROFESSIONAL COMMERCIAL VEHICLE ADAS CALIBRATIONS

As the first commercial vehicle-specific ADAS calibration equipment launched in the market, X-431 ADAS HD's "fully foldable, high-precision, and easy-to-operate" product features perfectly interpret the "big but not rigid" characteristics of large ADAS calibration equipment. It fills the void of ADAS calibration equipment for commercial vehicles (heavy trucks).



NEW

-  **FULLY FOLDED**
-  **SEMI FOLDED**
-  **FULLY ASSEMBLED**

FEATURES

- The innovative foldable design supports 3 modes: fully folding, semi folding, fully deployed, able to meet the needs of storing, moving and calibrating.
- Millimeter precision laser range-finder for accurate measurements. No need for tape measurements anymore.
- Multi-directional fine-tuning is supported without moving the calibration tool, including forward/backward, left/right and horizon directions, getting parallelized and centralized within 1 minute.
- The professional diagnostic software on a Launch scan tool provides detailed step by step instructions to help users quickly perform calibrations correctly.
- The upgraded aluminum alloy frame makes the calibration tool more durable.

TRUCKS COVERAGE

STATIC CALIBRATION for VOLVO, RENAULT, MAN, IVECO, DAF, ISUZU, BENZ, SCANIA, FUSO/MITSUBISHI, UD...

DYNAMIC CALIBRATION for MAN, IVECO, VOLVO, UD, ISUZU, BENZ, RENAULT, SCANIA, FREIGHTLINER, KENWORTH, PETERBILT, INTERNATIONAL...

APPLICABLE SCAN TOOLS



AVAILABLE TARGETS

(CONTINUOUSLY UPDATING)



LAUNCH COMPLETE TPMS SOLUTIONS

- Tire Shop
- Collision Shop
- Repair Shop



CRT 711



X-431 TSGUN



CRT 511

TPMS Service



BEST CHOICE FOR TIRE BUSINESS SHOPS

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.



- 98% VEHICLE COVERAGE**
U.S., EURO AND ASIAN
- 315/433MHZ SENSORS**
100% ACTIVATED
- EFFICIENCY INCREASED BY 70%**
OF TIRE PRESSURE REPLACEMENT

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 sensor 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.

26 SERVICE FUNCTIONS

| | | | | | | | | |
|---|---------------------------|----------------|-------------------------|----------------------|----------------------------|----------------------|---------------------|--------------|
| Oil Maintenance Reset | Electric Throttle Relearn | Brake Reset | Immobilizer Reset | Battery Matching | Injector Coding | Steering Angle Reset | TPMS Reset Database | ABS Bleeding |
| Crank Position Sensor Adaptive Learning | DPF Regen | Gearbox Reset | Adaptive Front Lighting | Sunroof Reset | Air Level Calibration | EGR Adaption | Air/Fuel Reset | AdBlue Reset |
| Nox Sensor Reset | Stop/Start Reset | Transport Mode | Coolant Bleed | Windows Calibrations | Seat Occupancy Calibration | Tire Reset | Language Change | |

SPECIFICATION

| | | | |
|------------------------------|-----------------|----------------|--------------|
| STORAGE | 32GB | OS | Android 10.0 |
| BATTERY | 6100mAh | DISPLAY | 7", 600*1024 |
| DIMENSION | 250*148*36 (mm) | CPU | 2.0GHZ |
| DIAGNOSTIC CONNECTION | DB15 | RAM | 3GB |

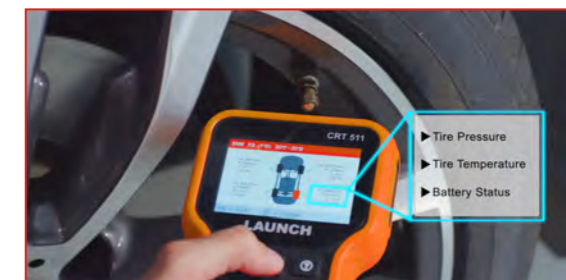
STAND-ALONE TPMS DIAGNOSTICS

CRT 511 is a 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
- 315/433MHZ 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 inch |
| RESOLUTION | 320*480 |
| BATTERY | 3100 mAh |
| 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 | <450g |

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.

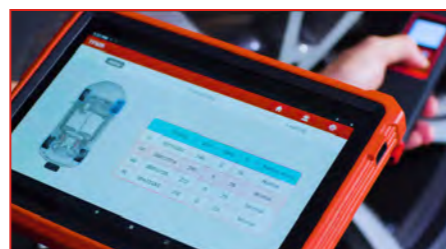
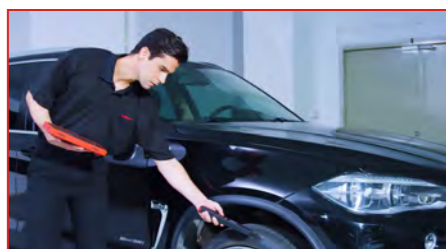
98% VEHICLE COVERAGE
U.S., EURO AND ASIAN

315/433MHZ SENSORS
100% ACTIVATED

WORK WITH A LAUNCH SCANNER
TO DEVELOP TPMS
DIAGNOSTICS BUSINESS

FEATURES

- Cover 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 and Battery Status
- Diagnose Tire Pressure Sensors
- Tire Pressure Learning
- Read & Copy & Write Sensor ID
- Active & Match All 315/433 MHz Sensors
- Reprogram LAUNCH Sensors Unlimited Times

SPECIFICATION

| | |
|---------------------|--------------------|
| DISPLAY | 1.77 inch, 168*128 |
| BATTERY | 3000 mAh |
| 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 |

UNIVERSAL & PROGRAMMER TPMS SENSING

LTR-01 is LAUNCH own designed and produced RF-Sensor to offer the best TPMS solutions for any repair shops or tire shops. With the outstanding and reliable OE level performance, LTR-01 can replace all original tire pressure sensors, copy the original tire pressure sensor data and can be programmed indefinitely.



LAUNCH UNIVERSAL & PROGRAMMABLE TPMS SENSOR

- Rubber/METAL
- Cover 98% vehicle TPMS application
- 315MHz + 433MHz
- Battery life of 4 to 6 years
- Be programmed an unlimited number of times
- 0.1mm accuracy

FEATURES

- Compatible with more than 95% of OE sensors in 315MHz and 433MHz.
- Able to replace all the OE tire pressure sensors, copy the OE sensor data and can be programmed for unlimited times.
- The pressure value of LTR-01 can be accurate to 0.1BAR with an international leading automotive-grade chip.
- Over-the air wireless programming and battery life lasts for 4 to 6 years.

SPECIFICATION

| | |
|----------------------|---------------------------|
| OPERATING FREQUENCY | 315MHz/433MHz |
| BATTERY VOLTAGE | 3.0V |
| RF TRANSMITTER POWER | 5~8dBm |
| STORAGE TEMPERATURE | -40°C~125°C |
| WORKING TEMPERATURE | -40°C~125°C |
| IP RATING | IP67 |
| DIMENSION | 50.8*24*17.8 mm |
| WEIGHT | 42g (Metal), 48g (Rubber) |

BEST ENTRY-LEVEL DIAGNOSTIC TOOLS FOR ANY PROS & DIYERS



DIY Tools >>

DIY Tools

Creador

LAUNCH FASTER /SMARTER /POWERFUL DIY Tools

DIY

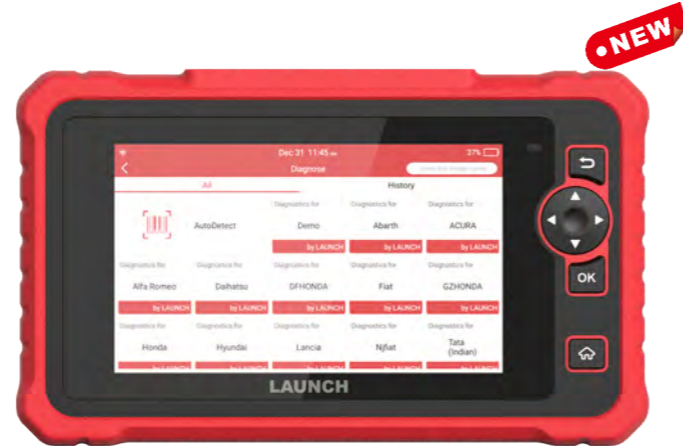


| Item Function | Creador professional 123 Premium | Creador professional 129 Premium | Creador professional 233 | Creador professional 239 | Creador professional 349 |
|---|---|---|---|---|---|
| 1996 and newer --OBDII & CAN | ● | ● | ● | ● | ● |
| Vehicle Coverage | 38 | 49 | 35 | 36 | 36 |
| OBDII Function | | | | | |
| Support 10 OBDII modes | ● | ● | ● | ● | ● |
| Read and erase DTCs, view live data for advanced systems | | | | | |
| Engine system | ● | ● | ● | ● | Full System |
| AT | ● | ● | ● | ● | Full System |
| ABS | ● | ● | ● | ● | Full System |
| SRS | ● | ● | ● | ● | Full System |
| Special Functions | | | | | |
| Oil Lamp/ SAS/ BMS/ EPB | | ● | | ● | ● |
| DPF Regeneration | | | | ● | ● |
| Throttle Adaptation | | | | ● | ● |
| Tire Pressure Reset | | | | | ● |
| ABS Bleeding | | | | | ● |
| Immobilizer | | | | | ● |
| Sunroof Initialization | | | | | ● |
| Injector Coding | | | | | ● |
| Reset BOX | | | | | ● |
| Reset AFS | | | | | ● |
| Reset SUS | | | | | ● |
| Reset GEAR | | | | | ● |
| Others | | | | | *Ⓞ |
| Other Features | | | | | |
| Multilanguage | 7 languages: English, French, Spanish, German, Italian, Russian, Polish | 7 languages: English, French, Spanish, German, Italian, Russian, Polish | 10 languages: English, Spanish, French, German, Italian, Russian, Portuguese, Japanese, Korean, Traditional Chinese | 10 languages: English, Spanish, French, German, Italian, Russian, Portuguese, Japanese, Korean, Traditional Chinese | 10 languages: English, Spanish, French, German, Italian, Russian, Portuguese, Japanese, Korean, Traditional Chinese |
| Print Data Report | USB to PC | USB to PC | Via Wifi | Via Wifi | Via Wifi |
| Software Upgrade | USB to PC | USB to PC | Via Wifi | Via Wifi | Via Wifi |
| Data Streams Graph Displaying | ● | ● | ● | ● | ● |
| Record & Playback Live Data on Screen | ● | ● | ● | ● | ● |
| DTC lookup on screen | ● | ● | ● | ● | ● |
| DTC & Code Definitions on Screen | ● | ● | ● | ● | ● |
| I/M Quick Scan | ● | ● | ● | ● | ● |
| Diagnostic Report Uploading | ● | ● | ● | ● | ● |
| VIN Auto Identification | | | ● | ● | ● |
| Diagnostic Report Sharing | | | ● | ● | ● |
| Specification | | | | | |
| Screen | 4inch Color Screen | 4inch Color Screen | 5inch Color Screen | 5inch Color Screen | 7inch Color Screen |
| Size (mm) | 196x106x32 | 196x106x32 | 228x125x34.5 | 228x125x34.5 | 246x139.5x34 |
| Storage (RAM+ROM) | 128K+16G | 128K+16G | 2G+16G | 2G+16G | 2G+16G |
| Lithium Battery | | | ● | ● | ● |

Ⓞ 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.

FROM DIYERS TO MASTER TECHNICIANS

The Creader Professional 359 is a new Android based scan tool from LAUNCH DIY family, featuring 29 service functions for the technicians and DIYers to better carry online diagnostics. The adjustable kickstand design is very helpful for the auto mechanics to unleash their hands during diagnostic jobs in need.



FEATURES

- 7-inch touch screen for smooth operating and data reading.
- Support 10 OBDII/EOBD diagnostic.
- Support 29 advanced special functions.
- Auto Detect VIN to access to vehicle info within seconds.
- Wi-Fi Free software update and print data via PC.
- One clicks to generate the diagnostic report and upload timely. Multiple languages supported.
- More than 80 OE-level models and makes, including U.S vehicle coverage as well as Asian and European coverage from 1996 and newer.

29 SERVICE FUNCTIONS

- Oil Maintenance Reset
- Immobilizer Reset
- Steering Angle Reset
- Gearbox Relearn
- Airbag Reset
- Battery Matching
- Crank Position Sensor Adaptive Learning
- Seat Occupancy Calibration
- Sunroof Reset
- Tire Reset
- DPF Regeneration
- Brake Reset
- Injector Coding
- ABS Bleeding
- Language Change
- Adaptive Front Lighting
- Coolant Bleed
- Air Level Calibration
- AdBlue Reset
- EGR Adaption
- Windows Calibration
- Transport Mode
- Air/Fuel Reset
- AC System Relearn/Initialization
- Nox Sensor Reset
- Stop/Start Reset
- TPMS Reset Database
- Electronic Throttle Relearn
- Engine Power Balance Monitoring

SPECIFICATION

| | | | |
|---------------|-----------------|-----------|----------------|
| DISPLAY | 7", 1024*600 | DIMENSION | 251*148*36(mm) |
| OBDII VOLTAGE | 9V~18V | WEIGHT | <650g |
| BATTERY | Lithium Battery | | |

A GREAT CHOICE FOR MASTER TECHNICIANS

Creader Professional 349 is a great choice for master technicians. It can comprehensively scan ECU modules and clear trouble codes, identify VINs automatically, upload and share diagnostic reports. It also includes 26 service functions, which will definitely save repair time and cost, boost productivity.



FEATURES

- Compatible with 1996 and newer cars, light trucks, minivan, SUV or hybrid manufactured vehicles (OBD II & CAN).
- Read and erase DTCs, view live data of all ECU.
- Support OBDII 10 test modes.
- Check emissions readiness.
- Automatically identify vehicle VINs.
- Upload diagnostic reports to the cloud.
- One-click software upgrade via Wi-Fi.
- Cover 36 car makes and models.
- Multilingual menu and code definitions: English, Spanish, French, German, Italian, Russian, Portuguese, Japanese, Korean.

26 SERVICE FUNCTIONS

- Oil Maintenance Reset
- Electric Throttle Relearn
- Brake Reset
- Immobilizer Reset
- Battery Matching
- Injector Coding
- Steering Angle Reset
- TPMS Reset Database
- ABS Bleeding
- Gear Learning
- DPF Regen
- Gearbox Relearn
- Adaptive Front Lighting
- Sunroof Reset
- Air Level Calibration
- Adblue Reset
- AC System Relearn/Initialization
- Air/Fuel Reset
- Nox Sensor Reset
- Stop/Start Reset
- Transport Mode
- Coolant Bleed
- Windows Calibration
- Seat Occupancy Calibration
- Tire Reset
- Language Change

SPECIFICATION

| | | | |
|---------------------|-----------------|---------------------|---|
| OPERATION SYSTEM | Android 7.0 | PROTOCOL | ISO9141-2, ISO14230-4, SAEJ1850, ISO15765-4, etc |
| DISPLAY | 7" touch screen | BATTERY | Rechargeable Li-ion |
| RAM | 2 GB | INTERFACE | DB15 diagnostic interface, The charging interface |
| STORAGE | 16 GB | WORKING TEMPERATURE | -10°C~50°C |
| OBDII INPUT VOLTAGE | 9V-18V | DIMENSION | 246 x 139.5x 34mm |
| DC INPUT VOLTAGE | 5V | NET WEIGHT | <650g |

DEFINE THE FUNCTIONS BY YOURSELF

The LAUNCH Creader Elite is a brand new Android-based flexible code reader, featuring auto VIN recognition and full OBD II functionality. 7 different modes allow the user to choose the best vehicle software, vehicle system or service function according to their needs.



16 SERVICE FUNCTIONS

- ABS Bleeding
- Battery Reset
- Brake Reset
- DPF Regeneration
- EGR Adaption
- Electronic Throttle Pln
- Gear Learning
- Gearbox Reset
- Headlamp Reset
- Immobilizer Reset
- Injector Coding
- SAS Reset
- Service Lamp Reset
- Sunroof Initialization
- SUS Reset
- TPMS Reset

The supported functions might differ from different models.

FEATURES

- OE-Level vehicle coverage for Asian, European and U.S. makes and models.
- Auto VIN detect function for identifying the vehicle info in seconds.
- Full OBD II functionality for 10 OBD II test modes.
- Read and erase DTCs for ABS, SRS, Engine systems.
- Read live data stream for ABS, SRS, Engine systems.
- Advanced service functions are available for choosing as demand.
- Software upgrade via WiFi.
- Extra software can be purchased via the Mall. **MALL**
- Automatically generate diagnostic health reports for sharing and analyzing.

SPECIFICATION

| | |
|---------------------|----------------|
| DISPLAY | 4", 480*800 |
| MEMORY | 1GB |
| STORAGE | 16 GB |
| OBDII VOLTAGE | 9V ~ 18V |
| STORAGE TEMPERATURE | -20°C~70°C |
| WORKING TEMPERATURE | 0°C~50°C |
| DIMENSION | 160*88*25.5 mm |
| WEIGHT | <500g |

PRODUCT CONFIGURATIONS

| PRODUCT | DESCRIPTION |
|---------|---|
| CRE901 | Select 1 vehicle software* or service functions |
| CRE903 | Select 3 vehicle software* or service functions |
| CRE905 | Select 5 vehicle software* or service functions |
| CRE920 | 2 Systems (ABS + SRS) |
| CRE926 | 2 Systems (ABS+SRS)+Select 6 out of 16 service functions |
| CRE936 | 3 Systems (ABS + SRS + Engine) + Select 6 out of 16 service functions |
| CRE916 | 16 service functions |

* Including full system diagnostics and basic diagnostic functions.

CREADER PROFESSIONAL 233/239

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, SAS and ABS.
- Support OBDII 10 test modes.
- One-click software upgrade via Wi-Fi.
- Automatically identify vehicle VINs.
- Upload diagnostic report to the cloud.

6 SERVICE FUNCTIONS

- Oil Maintenance Reset
- Electric Throttle Relearn
- DPF Regen
- Battery Matching
- Steering Angle Reset
- Brake Reset

CREADER PROFESSIONAL 123/129 PREMIUM

Creader Professional 123 Premium and Creader Professional 129 Premium are the ideal entry-level tools for DIYers and professionals. Both can read 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 cars, light trucks, minivan, SUV or hybrid manufactured vehicles (OBD II & CAN).
- Read and erase DTCs, view live data of Engine system, AT, SAS and ABS.
- Support OBDII 10 test modes.
- One-click software upgrade via the internet.

4 SERVICE FUNCTIONS

- Oil Maintenance Reset
- Steering Angle Reset
- Battery Matching
- Brake Reset

SPECIFICATION

| Item | Cread@r professional 123 Premium | Cread@r professional 129 Premium | Cread@r professional 233 | Cread@r professional 239 |
|-------------------|----------------------------------|----------------------------------|--------------------------|--------------------------|
| Display | 4 inch color screen | 4 inch color screen | 5 inch color screen | 5 inch color screen |
| Input Voltage | 9V~18V | 9V~18V | 9V~18V | 9V~18V |
| Interface | Standard 16PINs OBD II | Standard 16PINs OBD II | Standard 16PINs OBD II | Standard 16PINs OBD II |
| Memory | 128K | 128K | 2G | 2G |
| Storage | 16G | 16G | 16G | 16G |
| Weight | <400g | <400g | <556g | <556g |
| Multilingual Menu | 8 | 8 | 9 | 9 |
| Dimension | 196x106x32(mm) | 196x106x32(mm) | 228x125x34.5(mm) | 228x125x34.5(mm) |

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.



NEW

- 4 SYSTEMS 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 WIFI print are supported.
- 9 foreign languages are supported: English, Spanish, French, German, Italian, Russian, Portuguese, Japanese, Korean.
- Lifetime FREE software update through WIFI.

SPECIFICATION

| | |
|----------------------|---------------|
| OPERATION SYSTEM | Android 4.0 |
| DISPLAY | 4.0", 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) |

BATTERY TEST AND CODE READER TOOL

BST580D is a new product from DIY product line. With the physical shortcuts, BST580D 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.



NEW

- 10 BATTERY STANDARDS
CCA/BCI/CA/MCA/JIS/DIN/IEC/EN/SAE/GB
- 3 BATTERY TYPES
LEAD-ACID/GEL/AGM



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.
- Data reports are printed via USB cable.
- Lifetime FREE software update.

SPECIFICATION

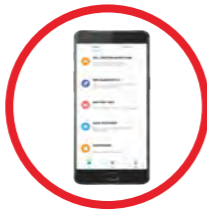
| | |
|----------------------|-----------------|
| DISPLAY | 2.8", 320*240 |
| RAM | 3 MB |
| STORAGE | 16 MB |
| BATTERY TEST VOLTAGE | 10V - 16V |
| WORK TEMPERATURE | 0~50°C |
| DIMENSION | 179*103*30 (mm) |

YOUR FAMILY DIAGNOSTIC TOOL

Plug the golo dongle to the OBDII port and connect to the golo car APP via Bluetooth, users can do the deep scanning for every module in the car with just one click. The APP will generate a professional report of tested modules automatically for easy reviewing.



NEW



8 OBDII MODES
CARRY FULL SYSTEM DIAGNOSTIC

UPTO 18 SERVICE FUNCTIONS
OVER 40 BRANDS SUPPORTED

WIDE VEHICLE COVERAGE
95% OF 2008+ CARS

| | | | | | |
|------------------------|-----------------|--------------|---------------|-----------|------------------|
| | | | | | |
| FULL SYSTEM INSPECTION | OBD DIAGNOSTICS | BATTERY TEST | DATA RECORDER | DASHBOARD | SERVICE FUNCTION |

FEATURES

- Tech-to-Tech remote diagnostics is now applicable on golo carcare plus. **NEW**
- Automatically identifies vehicle VIN for easy binding. (Bind up to 3 vehicles)
- Professional vehicle full system diagnosis.
- Support 8 OBDII modes for 2008 and newer cars.
- Optional service functions turn your smartphone into an intelligent diagnostic tool.
- Real-time car healthy status in hand.
- Easy to complete the car diagnosis, reports review and other functions via the golo car application.
- One-click DTC erasing empowers users to fix the simple problems by themselves.
- Small and slim design for space saving and safe driving.

SPECIFICATION

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

EVERYTHING IS ABOUT THE SPEED & ACCURACY

- Contactless
- Automatic
- Accuracy
- Fully Integrated



Wheel Equipment



THE CLASSICAL FLAGSHIP

X-931 contactless wheel aligner is a classical flagship to quickly scan a vehicle and get alignment data with no labor required, which can boost your productivity and accelerate your alignment business.



FEATURES

- Applied the advanced technology of Laser Imaging.
- 5 times faster than the traditional 3D Wheel Aligner.
- Unnecessary to perform the vehicle-pushing compensation operation.
- Without any component touching with the vehicle tire or wheel rim.
- Unnecessary to mount and demount the Wheel Clamps and the targets.
- Drive the car on the lift, measure and done. Get quick result within 1 minute.
- High repeating accuracy through lasers, 3D stereo cameras and advanced algorithms.
- Compatible with Four-post lift, Scissor lift and Ultra-thin scissor lift.
- Complete Database including:
 - Superior OEM database of wheel alignment data and method.
 - Additional vehicle data can be added by users.
- Scan QR code and get access to LAUNCH platform, check equipment information and send product feedback.

ACCESSORIES

| ACCESSORY TYPE | ITEM | QUANTITY |
|----------------|----------------------------|----------|
| STANDARD | Camera | 8 pcs |
| | Laser | 4 sets |
| | Video Card | 1 pc |
| | Computer Host | 1 pc |
| | Monitor | 1 pc |
| | Lift | 1 set |
| | Contactless Measuring Unit | 4 pcs |
| OPTIONAL | Calibration Bar | 1 pc |

SPECIFICATION

| ALIGNMENT PARAMETERS | MEASUREMENT RANGE |
|----------------------|-------------------|
| TOTAL TOE | ±20° |
| INDIVIDUAL TOE | ±10° |
| CAMBER | ±8° |
| CASTER | ±20° |
| KINGPIN INCLINATION | ±20° |
| THRUST ANGLE | ±5° |

FAST ALIGNMENT

Featuring broadest application with big scissor lift, four-post lift, small scissor lift and two-post lift, X-861 PRO 3D Wheel Aligner is built for improving productivity by movable cabinet and beam. X-861 PRO 3D Wheel Aligner is extreme accurate, extreme transmission and extreme calibration.

FEATURES

- Superfast transmission speed throughout 5Gbps bandwidth and USB3.0 enables you to delivers the image fast.
- Wide angle of view on better performance 5MP camera, make it easy access to large cars.
- HD camera lens with temperature compensation function, make it possible to at all times and in all conditions work.
- Automatically adjust the height of camera beam in keeping with the target height.
- Simpler alignment procedure with LED indicator and computer voices reminder.
- Start to use in seconds, no more tedious work of pre-calibration.
- Body & chassis and tire diameter measurement.
- Enjoy remote assistance from Launch experts.



SPECIFICATION

| ALIGNMENT PARAMETERS | MEASUREMENT RANGE | MEASUREMENT ACCURACY |
|----------------------|-------------------|----------------------|
| TOE | ±40° | ±0.02° |
| CAMBER | ±10° | ±0.03° |
| CASTER | ±20° | ±0.08° |
| KINGPIN INCLINATION | ±20° | ±0.08° |
| THRUST ANGLE | ±5° | ±0.03° |
| WHEEL TRACK | 2000 mm | ±2 mm |
| WHEELBASE | 4000 mm | ±2 mm |
| TIRE DIAMETER | 1000 mm | ±2 mm |

INTELLIGENT AND ACCURATE

X-861 3D Wheel Aligner can measure various angles of automobile tires, including front and rear wheel toe-in, front and rear wheel camber, kingpin caster, kingpin inclination, thrust angle, etc. With high accuracy, X-861 is easy to start wheel alignment measurement by concise operation instruction.



FEATURES

- Special camera system.
- Targets without electronic elements and battery to save maintenance cost.
- No need calibrate onsite as it has been calibrated in factory.
- User-friendly software interface.
- Accurate and stable with 3D measurement technology.
- Smart measurement with fully automatic tracking and moving function according to height of the lift.
- Scan QR code and get access to LAUNCH platform, check equipment information and send product feedback.

CONFIGURATION

| ALIGNMENT PARAMETERS | ITEM | QUANTITY |
|----------------------|---|----------|
| STANDARD | Beam | 1 |
| | Post | 1 |
| | Cabinet | 1 |
| | Clamp & Target | 1 |
| | Turn Tables | 1 |
| | Steering Wheel Holder | 1 |
| | Brake Holder | 1 |
| OPTIONAL | Computer | 1 |
| | Printer | 1 |
| | X-861 Calibration Bar (2200*380*130 mm) | 1 |

SPECIFICATION

| ALIGNMENT PARAMETERS | MEASUREMENT RANGE | MEASUREMENT ACCURACY |
|----------------------|-------------------|----------------------|
| TOTAL TOE | ± 20° | ± 0.02° |
| INDIVIDUAL TOE | ± 20° | ± 0.02° |
| CAMBER | ± 12° | ± 0.02° |
| CASTER | ± 25° | ± 0.05° |
| KINGPIN INCLINATION | ± 25° | ± 0.05° |
| FLINCH ANGLE | ± 10° | ± 0.01° |
| THRUST ANGLE | ± 10° | ± 0.01° |

TWC Series

WHEEL EQUIPMENT



TWC-321



TWC-421



TWC-521



TWC-621



TWC-821

PARAMETERS

| | TWC-321 | TWC-421 | TWC-521 | TWC-621 | TWC-821 |
|------------------------|----------------|-------------------|-------------------|-------------------|--|
| OUTSIDE CLAMPING RANGE | 11 - 17" | 9 - 22" | 9 - 24" | 9 - 24" | 8.5-11.5" |
| INSIDE CLAMPING RANGE | 11 - 19" | 12 - 24" | 12 - 26" | 12 - 26" | RIM CENTER HOLE DIAMETER |
| MAX. RIM DIAMETER | 11 - 16" | 9 - 22" | 11 - 22" | 9 - 24" | 8.5 - 9" / 11 - 11.5" (RIM CENTER HOLE DIAMETER) |
| MAX WHEEL DIAMETER | 900MM | 1050MM | 1050MM | 1050MM | 1300MM |
| MAX WHEEL WIDTH | 3 - 12" | 4 - 13" | 4 - 15" | 335MM (13") | 400MM (15.7") |
| REVOLUTION | 6.8RPM | 6.8/6.8 - 13.6RPM | 6.8/6.8 - 13.6RPM | 6.8/6.8 - 13.6RPM | 7RPM |
| WORKING PRESSURE | 0.8 - 1MPA | 0.8 - 1MPA | 0.8 - 1MPA | 0.8 - 1MPA | — |
| VOLTAGE | 110V/220V | 110V/220V/380V | 110V/220V/380V | 220V | 220V/380V |
| PACKAGE SIZE | 1030*880*980MM | 1150*950*980MM | 1150*950*980MM | 1150*1000*1810MM | 1400*1300*1850MM |
| G.W / N.W | 223/193KG | 260/210KG | 292/252KG | 419/352KG | 555/455 KG |
| 40 HQ CONTAINER(SETS) | 52 | 48 | 48 | 22 | 9 |

OTHERS

| | TWC-321 | TWC-421 | TWC-521 | TWC-621 | TWC-821 |
|-------------------------|-------------------------|-------------------------|-------------------------|--------------------|---------------------|
| SWING ARM TYPE | SWING | SWING | TILT | TILT | — |
| AUXILIARY ARM ASSIST | — | ○ | ○ | ● | — |
| PNEUMATIC WHEEL LIFT | ○ | ○ | ○ | ○ | ● |
| TRUCK | — | — | — | — | ● |
| ADJUSTABLE WORKING HEAD | (STANDARD WORKING HEAD) | (STANDARD WORKING HEAD) | (STANDARD WORKING HEAD) | (OBC WORKING HEAD) | (NONE WORKING HEAD) |
| OPERATIONS TABLE | — | — | — | — | ● |
| AUTOMATIC OPERATION | — | — | ● | ● | ● |
| FOOT PEDAL | 5 | 5 | 4 | 4 | — |

KWB Series

WHEEL EQUIPMENT



KWB-421



KWB-521



KWB-621



KWB-821

PARAMETERS

| | KWB-421 | KWB-521 | KWB-621 | KWB-821 |
|-----------------------|----------------|----------------|----------------|---------------------------|
| BALANCE CYCLE | 7S | 7S | 10S | 10S |
| RIM DIAMETER | 12" - 24" | 12" - 24" | 12" - 24" | 13" - 24" |
| MAX. WHEEL DIAMETER | 650MM | 800MM | 800MM | 1200MM |
| MAX. RIM WIDTH | 1.5" - 18" | 1.5" - 20" | 1.5" - 22" | 4" - 20" |
| REVOLUTION | 260RPM | 260RPM | 180RPM | CARS 260RPM/TRUCKS 140RPM |
| MOTOR | NORMAL | NORMAL | LOW SPEED | NORMAL |
| WORKING PRESSURE | — | — | — | 0.6 - 0.8MPA |
| MAIN SHAFT DIAMETER | 40MM | 40MM | 40MM | 40MM |
| VOLTAGE | 110V/220V/380V | 110V/220V/380V | 220V | 220V/380V |
| PACKAGE SIZE | 850*750*1270MM | 850*850*1270MM | 950*750*1160MM | 1800*900*1300MM |
| MAX. WHEEL WEIGHT | 65KG | 65KG | 65KG | 200KG |
| 40 HQ CONTAINER(SETS) | 78 | 56 | 72 | 26 |

FUNCTIONS

| | KWB-421 | KWB-521 | KWB-621 | KWB-821 |
|----------------------|---------|---------|---------|---------|
| SCREEN | — | ● | ● | ● |
| LASER POSITIONING | — | ● | ● | ● |
| TRUCK | — | — | — | ● |
| OPT/HID | — | ● | ● | ● |
| DYN | ● | ● | ● | ● |
| SONAR TECHNOLOGY | — | — | ● | — |
| PNEUMATIC WHEEL LIFT | ○ | ○ | ○ | ● |
| AUTOMATIC MEASURE | — | ● | ● | ● |
| LIFT PEDAL | — | — | — | ● |

NOTE: ● STANDARD ○ OPTIONAL — UNSUPPORTED

TWC-321 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.

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 | 6.8rpm |
| PACKAGE SIZE | 1030 x880 x980 mm | G.W / N.W | 223/193kg |
| MAX. RIM DIAMETER | 11~16" | | |

- Automobile
- Semi-automatic
- Swing Arm



TWC-521 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.

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 WHEEL WIDTH | 4~15" |
| MAX WHEEL DIAMETER | 1050mm | 40 HQ CONTAINER | 48 sets |
| WORKING PRESSURE | 0.8~1MPa | REVOLUTION | 6.8/6.8~13.6rpm |
| PACKAGE SIZE | 1150 x950 x980 mm | G.W / N.W | 292/252kg |
| MAX. RIM DIAMETER | 11~22" | | |

- Automobile
- Automatic
- Tilt Swing Arm



TWC-421 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.

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 | MAX WHEEL WIDTH | 4~13" |
| MAX WHEEL DIAMETER | 1050mm | 40 HQ CONTAINER | 48 sets |
| WORKING PRESSURE | 0.8~1MPa | REVOLUTION | 6.8/6.8~13.6rpm |
| PACKAGE SIZE | 1150 x950 x980 mm | G.W / N.W | 260/210kg |
| MAX. RIM DIAMETER | 9~22" | | |

- Automobile
- Semi-automatic
- Swing Arm



TWC-821 TIRE CHANGER

Different from the traditional tire changer, TWC-821, as the latest TRUCKS tire changers of Launch, has an exquisite design to save the occupied space. With the advanced technology and simple operation, it can effectively improve work efficiency reduce the failure rate and save costs.

FEATURES

- Advanced technology to make sure no dead angle in the whole process.
- Seamless welded make sure fixed system is durable.
- Adjust the angle of working head according to different tires safe and convenient.
- Double roller design to increase the working efficiency.
- Split design of the roller to reduce power and noise, make the process more smoothly.
- Easy to assemble and disassemble various styles of rims by using three point ladder design on the clamping method.

SPECIFICATION

| | | | |
|--------------------|---|-----------------|--------------|
| VOLTAGE | 220V/380V | MAX WHEEL WIDTH | 15.7"(400mm) |
| MAX WHEEL DIAMETER | 1300mm | 40 HQ CONTAINER | 9 sets |
| PACKAGE SIZE | 1400 x1300 x850 mm | REVOLUTION | 7rpm |
| MAX. RIM DIAMETER | 8.5~9"/11~11.5" (Rim Center Hole Diameter) | G.W / N.W | 555/455kg |

- Innovative
- Advanced
- Cost Saving

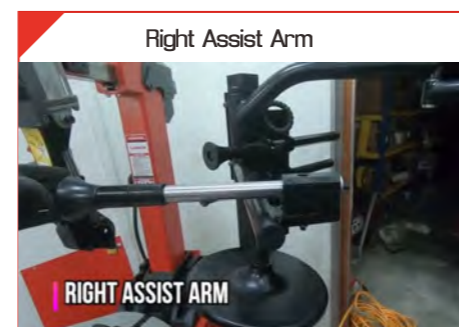


TWC-621 TIRE CHANGER

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.

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 DIAMETER | 1050mm |
| WORKING PRESSURE | 0.8~1MPa |
| PACKAGE SIZE | 1150x1000x1810(mm) |
| MAX. RIM DIAMETER | 9~24" |
| MAX WHEEL WIDTH | 13"(335mm) |
| 40 HQ CONTAINER | 22 sets |
| REVOLUTION | 6.8/6.8~13.6rpm |
| G.W / N.W | 419/352kg |

KWB-621 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!

FEATURES

- New sonar technology obtains the data automatically to improve the precision and reduce measurement 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.
- 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.
- Low-RPM balancing speed ensure quiet operation and high precision.
- 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.

Brand-new Ergonomic Design

New Sonar Technology

High Precision



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 | 950x750x1160(mm) |

KWB-821 WHEEL BALANCER

KWB-821 is the most advanced wheel balancer used in a wide range of vehicles and trucks, also supports pneumatic wheel lift. The data of balancing can be directly seen in the big screen.

FEATURES

- Various kinds of balancing modes suitable for high precision of balancing trucks and cars.
- New design of vertical screen for function easy understanding.
- Automatic measuring scale, without any manual input.
- Weight paste position indicated through laser.
- Foot pedal control the pneumatic lifting system.
- Wheel guard gives the tire better protection.
- Work with 13-24" automobile wheel.
- Launch Comprehensive Guarantees.

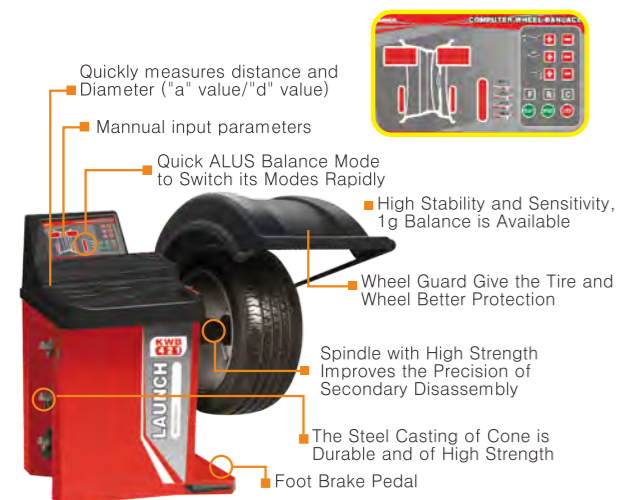


SPECIFICATION

| | | | |
|------------------------|--|----------------------------|-----------------|
| WORKING VOLTAGE | 220V/380V | MAIN SHAFT DIAMETER | 40mm |
| RIM DIAMETER | 13~24" | MAX WHEEL DIAMETER | 1200mm |
| MAX RIM WIDTH | 4~20" | BALANCE CYCLE | 10s |
| REVOLUTION | small vehicle: 260rpm; big vehicle: 140rpm | MAX WHEEL WEIGHT | 200kg |
| 40 HQ CONTAINER | 26 sets | PACKAGE SIZE | 1800x900x1300mm |

KWB-421 WHEEL BALANCER

Passenger Car Economy New Modern Design

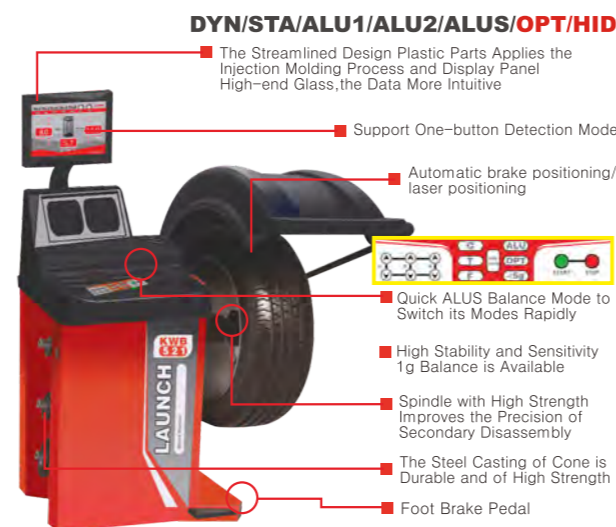


SPECIFICATION

| | |
|---------------------------|----------------------------------|
| VOLTAGE | 110V/220V/380V |
| RIM DIAMETER | 12"-24" |
| MAX. WHEEL WEIGHT | 65kg |
| MAX WHEEL DIAMETER | 650mm(KWB-421) 800mm(KWB-521) |

KWB-521 WHEEL BALANCER

Passenger Car Automatic New Modern Design



| | |
|----------------------|--|
| MAX RIM WIDTH | 1.5~18"(421) 1.5"-20"(521) |
| BALANCE CYCLE | 7s |
| REVOLUTION | 260rpm |
| PACKAGE SIZE | 850x750x1270mm(KWB-421) 850x850x1270mm(KWB-521) |

Optional Accessories List TWC & KWB Series

Wheel Equipment

| Class | Name | Applicable models | ERP Code | Photo |
|---|--|---|-----------|-------|
| Tire Changer Optional Accessories | Motorcycle 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 tyre 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-808

TIT-202

VSP-800

BST-860

BST-360

VSP-600 VIDEOSCOPE

Videoscope 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 and streams live video on it. Technicians can view, record and save images and videos.



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 | 1280x720 |
| OPERATING TEMPERATURE | 0°C ~65°C |
| POWER SUPPLY | 5V |
| USB PORT | USB2.0/Type C/Micro USB |

VSP-800 VIDEOSCOPE

Videoscope 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. | 5.5 mm | OPERATING TEMPERATURE | -20°C to 60°C (-4° to 140 °F) |
| DISPLAY SCREEN | 2.7" TFT | POWER SUPPLY | 4x1.5V (AA) Battery |
| TUBE LENGTH | 1000 mm | ROM | 8M |
| RESOLUTION | 1280x720 | | |

VSP-808 VIDEOSCOPE

Videoscope 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

- 4.3" TFT HD display enables real-time high-definition viewing.
- 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.
- Highly improved customers' satisfaction with the visible pre-inspect and after-inspect process.



SPECIFICATION

| | | | |
|----------------|----------|-----------------------|------------------------------|
| DISPLAY SCREEN | 4.3" TFT | RESOLUTION | 1280x720 |
| LEN O.D. | 5.5mm | OPERATING TEMPERATURE | -20°C to 60°C (-4° to 140°F) |
| TUBE LENGTH | 1000 mm | ROM | 8M |

SMOKE DIAGNOSTIC LEAK DETECTOR

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.



SLD-501 (Turbo)



SLD-502 (EVAP)

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 | 0.5 Psi | 14-16 Psi |
| FLOW RATE | 10L/M | 10L/M |
| POWER SUPPLY | 12V Fully Charged Vehicle Battery | |
| PRESSURE SUPPLY | Inbuilt Air Compressor | |
| JUICE LOAD | 40ML | |
| MAIN UNIT DIMENSION | 290*185*210 mm | |
| GROSS WEIGHT | 5.6kg | |
| DELIVERY DIMENSION | 330*330*250 mm | |

ACCESSORIES

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

● Inclusive X Not Applicable ○ Optional

THERMAL IMAGING CAMERA

Using the advanced infrared technology, TIT-202 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.

| | | | |
|-----|--|--|--|
| Bad | | | |
| | | | |
| | <p>Built-in Database, assist to analyse the problems of vehicle efficiently and effectively. Visually show good or bad status of the vehicle.</p> | | |



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.
- Comprehensive database of automotive applications, cover the info of good situation, bad situation and also diagnostic tips for the technicians.
- Extensive high resolution images storage up to 20000.
- More and more repair shops actively to take advantage of the thermal imaging technology in the daily diagnosis.

SPECIFICATION

| | |
|-------------------------------|---|
| DISPLAY SCREEN | 3.5" 240X320 |
| IMAGE STORAGE FORMAT | JPG |
| STORAGE | 20000 pictures |
| COLOR PALETTE | Rainbow, iron red, cool color, black and white, white and black |
| VISIBLE LIGHT CAMERA | 300000 pixels |
| INFRARED IMAGE RESOLUTION | 220x160 |
| USB INTERFACE | Micro USB2.0 |
| TEMPERATURE MEASUREMENT RANGE | -20 to 450 °C (-4 to 840 °F) |
| DIMENSION | 224x75x102 mm |
| WEIGHT | 350g |

BST-860 BATTERY TESTER

The Launch plug-to-play battery tester BST-860 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.
- 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 and 24V(Lead-acid battery, Gel battery and AGM battery).
- Safety always comes first. No heating, no discharge, no spark and no operating risks.

BST-560 BATTERY TESTER

The Launch plug-to-play battery tester BST-560 is designed for many battery-powered vehicles such as cars, boats, motorcycles and 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.
- 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(Lead-acid battery, Gel battery and AGM battery).
- Safety always comes first. No heating, no discharge, no spark and no operating risks.

SPECIFICATION (BST-860/BST-560)

| | | | |
|---------------------|---|---------------|--|
| DISPLAY SCREEN | 4-line graphic LCD display with backlight | CASE MATERIAL | ABS acid-proof plastic, industrial case design |
| WORKING TEMPERATURE | -18 °C ~50 °C | DIMENSION | 188x95x41mm |
| TEST CABLE | 80 mm standard cable | WEIGHT | 450g |

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.

BST SERIES COMPARISON

| | BST-860 | BST-560 | BST-360 |
|-------------------------|--|---------------------------|----------------|
| DISPLAY | 4-line LCD with backlight | 4-line LCD with backlight | N/A |
| BATTERY STANDARD | CCA, BCI, CA, MCA, JIS, DIN, IEC, EN, SAE, GB | | |
| BATTERY TYPE | Lead-acid battery, Gel battery and AGM battery | | |
| BATTERY RANGE | 12V, 24V | 12V | 12V |
| PRINT | Yes | Yes | Yes |
| WORK MODE | Standalone | Standalone | Standalone |
| WEIGHT | 450g | 300g | 250g |

KEEP YOUR VEHICLE IN GOOD SHAPE AND RUN SMOOTHLY

- Ultra-thin
- Regular Maintenance
- Longer Auto Lifespan



CNC-605A



CNC-603A



CAT-501S



Value 500 PLUS



TOC-317



CNC-601A

Maintenance Series



AUTO TRANSMISSION CLEANER AND FLUID EXCHANGER

The CAT-501S Auto Transmission Cleaner and Fluid Exchanger is an automatic transmission cleaner and fluid exchanger from LAUNCH. It is supplied with a comprehensive range of adaptors, allowing connection to most transmission units and including double clutch and CVT types. Moreover, with bigger 5 inch display and optional VGA function, the presentation and operation will be more easy and vivid.

FEATURES

- Cycle cleaning with detergent.
- Equivalent exchange with high accuracy.
- 5 inch display.
- Fluid exchanging result customized printing.
- Free full set of vehicle connectors upgrading globally.
- Fluid flow automatic recognition.
- Fluid level adjustment.
- Filter replacement warning.
- Optional VGA function.
- Frequently-used vehicle adding and searching list.



SPECIFICATION

| | |
|---------------------------|----------------------------------|
| POWER SUPPLY | Ac220±10%~50/60Hz Ac110±10%~60Hz |
| EQUIVALENT EXCHANGE ERROR | ±100ml |
| MAX DETERGENT CAPACITY | 1000ml |
| TEMPERATURE SENSITIVITY | ±1°C |
| FILTER PRECISION | 5µm |
| NOISE | <70dB |
| POWER CONSUMPTION | 150W |
| AMBIENT TEMPERATURE | -10~40°C |
| RELATIVE HUMIDITY | <85% |
| DIMENSION | 590mmX700mmX1037mm |
| NET WEIGHT | 70Kg |

The CNC-605A is a nozzle cleaner & detector suitable for GDI, EFI, SFI and other injectors. The nozzle can be cleaned and tested by simulating the engine condition. It can also be used to clean the fuel injector and fuel supply system on the vehicle without disassembly.



MULTIPLE FUEL INJECTOR

ULTRASONIC CLEANING

SIMULATION
CONDITION TEST

AUTOMATIC OIL
DISCHARGE CONTROL

FEATURES

- Powerful ultrasonic cleaning to completely remove the carbon deposit on the fuel injection nozzle.
- Uniformity and sprayability test.
- Sealing test has tested the sealing and leakage of the fuel injection nozzle under a certain pressure.
- Injection volume test ensures the nozzle continually spray for a certain time and test the injection volume of the nozzle.
- Realize EFI & SFI cleaning without disassembling the nozzle.
- Automatic mode can automatically test the fuel injection nozzle through the preset program.

SPECIFICATION

| | | | |
|--------------------|-----------------|---------------|--------------------------|
| POWER SUPPLY | AC110V / AC220V | RPM | 100~9900rpm Step: 100rpm |
| INPUT POWER | 350W | PW | 0.5~25.0rpm Step: 0.1ms |
| ULTRASONIC POWER | 60W | TIMER | 1~30mins |
| FUEL PRESSURE | 0.1~10bar | TANK CAPACITY | ~3L |
| AIR INLET PRESSURE | 5~8bar | | |

The CNC-603A is an advanced electromechanical integration product that combines ultrasonic cleaning technology with microprocessor hydraulic control cleaning detection technology. It can clean and inspect the fuel injectors of the car, and also clean the fuel injectors and the fuel supply system



FEATURES

- Glass tube is resistant to high and low temperature.
- User-friendly design of the fuel intake and drain pipe for convenient oil filling and discharge.
- 2 in 1 design for more space saving, the cleaner can be separated from the device.
- Seamless design of the key mask for better oil resistance, the smart button with electronic screen for easy operation.
- Sheet Metal Shell Design for durable and reliable usage.

SPECIFICATION

| | |
|-------------------------------------|--|
| POWER SUPPLY | AC110V-127V, 50Hz/60Hz, 3A max AC220V-230V, 50Hz/60Hz, 1.5A max |
| INPUT POWER | 300W |
| CLEANING POWER | 100W |
| RANGE OF ROTATION | 10~9990rpm(step length: 10rpm) |
| TIME LIMIT | 1~9999s |
| PULSE WIDTH RANGE | 0.5~25ms(step length: 0.1ms) |
| ENVIRONMENT TEMPERATURE | 0~45°C |
| RELATIVE HUMIDITY | 85% |
| STRENGTH OF EXTERNAL MAGNETIC FIELD | 400A/m |
| OPERATING VOLUME | 3000ml |

In 1999, the first auto injector cleaner & tester came from the production line in Launch Tech. After constant improvements, LAUNCH maintenance equipment is now sold to more than 60 countries and regions in the world.



CNC-602A



CNC-601A

FEATURES

- Ultrasonic Cleaning: To perform simultaneous cleaning on several injectors and to remove the carbon deposits on the injector completely.
- Uniformity/Sprayability Test: To test the uniformity of injecting amount of each injector, and to monitor the spraying status of each injector with the help of backlight. This test is also for reverse flush.
- Leakage Test: To test the sealing and dribbling conditions of injectors under system pressure.
- Injecting Flow Test: To check the injecting amount of the injector in 15 seconds of constant injection.
- Auto Test: To test injectors by simulating different working conditions.
- On-vehicle Cleaning: The unit is equipped with various adaptors and couplers that facilitate cleaning on the injectors on vehicle.

THE GENERAL COMPARISON OF CNC-601A/602A

| FUNCTIONS & ACCESSORY | CNC-602A | CNC-601A |
|------------------------------|----------|---------------------|
| ULTRASONIC CLEANING | ● | ● |
| UNIFORMITY/SPRAYABILITY TEST | ● | ● |
| LEAKAGE TEST | ● | ● |
| INJECTING FLOW TEST | ● | ● |
| AUTO TEST | ● | ● |
| ON-VEHICLE CLEANING | | ● |
| STRUCTURE | Desk | Cabinet |
| CYLINDER | 6 | 6 |
| ADAPTOR | Standard | Standard/on-vehicle |
| TROLLEY | Optional | |

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.

PRODUCT PARAMETERS

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



OPTIONAL ACCESSORIES LIST FOR CNC SERIES

| CATEGORY | ITEM | APPLICABLE MODELS | ITEM | CODE PHOTOS |
|---|---|--|-----------|-------------|
| INJECTOR CLEANER OPTIONAL ACCESSORIES | CNC on-vehicle test connectors package | CNC402A CNC601A CNC602A | 206010154 | |
| | Injector test liquid 1LX12 bottles | CNC402A CNC601A CNC602A CNC603A | 199010177 | |
| | Y-3068 injector clean liquid 325ml X 24 bottles | CNC402A CNC601A CNC602A CNC603A | 199010176 | |
| | 86pcs special connectors for changing transmission fluid (optional) | CAT 501S | 307070029 | |

The VALUE-500 PLUS automotive air conditioner servicing machine provides automatic full service to automotive A/C refrigeration system which includes recycling, evacuation and recharging of both R134A and R1234YF refrigerant blends. It has significant improvement on poor automotive A/C refrigeration effect, compressor overload, loud noise and high fuel consumption. It is an environment protection and energy-saving product.

FEATURES

- Non-disassembly maintenance that save time and effort and reduce accessories loss.
- Refrigerant recycling.
- Improve car power and refrigeration effect.
- Effectively filter the impurities of the refrigerant to reduce compressor wear.
- Automatic full service without manual intervention.
- Accurate recharging with built-in automotive A/C database that covers mainstream models.
- Running silently with imported compressor.
- Visible operation steps with built-in LCD display.
- Support R134A or R1234YF refrigerant blends
- Large-size glass tube with LED backlighting, can effectively observe the entire cleaning process.
- Forward and reverse flushing functions, which greatly improve the cleaning effect.
- Operation result print automatically.



SPECIFICATION

| | |
|---------------------|-----------------------|
| POWER SUPPLY | AC110V/220V/50Hz/60Hz |
| POWER | 1000W |
| WORKING TEMPERATURE | 10~50°C |
| RELATIVE HUMIDITY | 85% |
| VACUUM PUMP | 7.2m³/h, 2Pa |
| TANK | 12L |
| HP/TP GAUGE | 1bar~35bar |
| LP GAUGE | 1bar~20bar |

OPTIONAL ADAPTER

| CATEGORY | ITEM | APPLICABLE MODELS | ITEM | CODE PHOTO |
|---|---|-------------------|-----------|------------|
| A/C SYSTEM MAINTENANCE CENTRE VALUE 500 PLUS OPTIONAL ACCESSORIES | Optional Adapter R1234yf for Value 500 Plus | Value 500 Plus | 307170386 | |

PROGRAMMING FLASH POWER WITH 4 CHARGING MODES

LAUNCH PFP-100 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 only).
- 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 as AGM battery, GEL battery.

APPLICABLE VEHICLES



SPECIFICATION

| | |
|-----------------------|-------------------|
| INPUT VOLTAGE | 110V/220V |
| POWER | 1200W |
| MAX. CURRENT | 100A |
| CHARGING VOLTAGE | 12V |
| PROGRAMMING MODE | 2~16V/2~100A |
| MAH | 10~1200Ah |
| DIMENSION | 430.5*392.5*130mm |
| ELECTRIC CABLE LENGTH | 3m |
| WEIGHT | 8.5kg |

ESP-150 CAR JUMPER STARTER

The ESP-150 Car Jump Starter can get your vehicle moving again when its battery goes flat. It also can be used as a battery charger for other scanner, electronic device, smartphone and tablet.



FEATURES

- Portable with 15000mA of battery capacity.
- 12V auto car jump starter also can be taken as a charger for diagnostic tools.
- Built-in screen and LED flashlight.
- Enter the BOOST button to start the car quickly.
- Short press of the CHARGING button to light, press again to flash, and press three times for SOS help.

SPECIFICATION

| | | | |
|----------|-------------------|---------------|------------------------|
| CAPACITY | 15000 mAh/55.5 WH | USB OUTPUT | 5V/1A, 5V/2A |
| INPUT | 15V/0.8A | DC5.5 OUTPUT | 12V/10A |
| CHARGING | 12V | CERTIFICATION | MSDS, UN38.3, CE, RoHS |

TWT-100 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.



GET THE REPAIR JOBS DONE BETTER AND MORE EFFICIENCY



TTH-208

TTH-60

TTH-375

Tools & Gadgets

TTH-60
TTH-208

60 PCS 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.

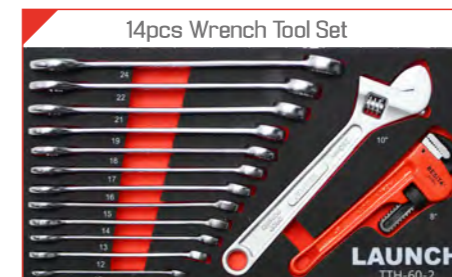
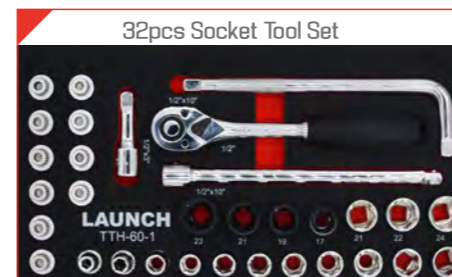


TTH-60

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



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.



TTH-208

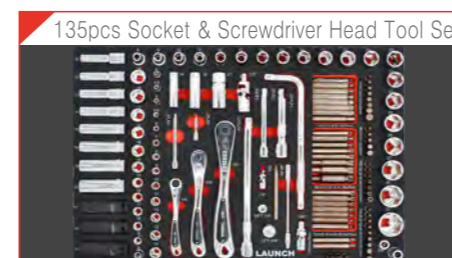
FEATURES

- 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



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.



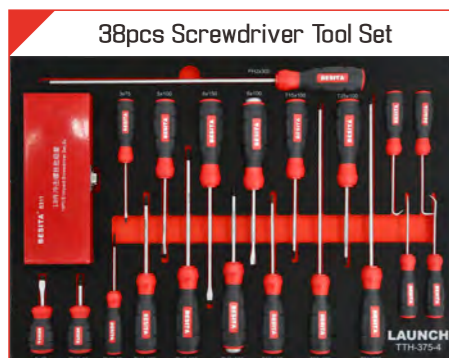
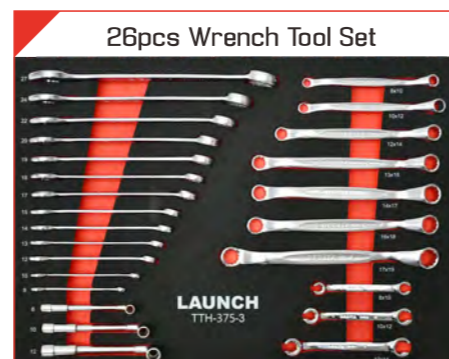
FEATURES

- 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



INTERNATIONAL STANDARD LIFTS COLLECTION

• Economical

• Luxurious

• Automatic



TLT235SB



TLT260AT



TLT240SC



TLT635A



TLT440W



TLT840WA

Lifts



Two Post Lift

WHEEL EQUIPMENT

| | 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 | 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) | 2486 mm | 2486 mm | 2486 mm | 2436 mm | 2486 mm | 2486 mm | 2486 mm | 2486 mm | 2486 mm | 2500mm | 2438mm | 2486 mm | 3050mm |
| Drive-Through Width(Asymmetric installation) | \ | \ | \ | 2390 mm | \ | \ | 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 | Optional | 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 Two sides | Manually Single side | Automatically two sides | Manually Two sides | Manually Two sides | Manually Single side | Manually Two sides | 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 |

● Inclusive X Not Applicable ○ Optional

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.

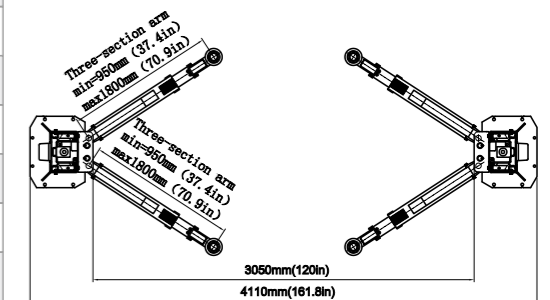
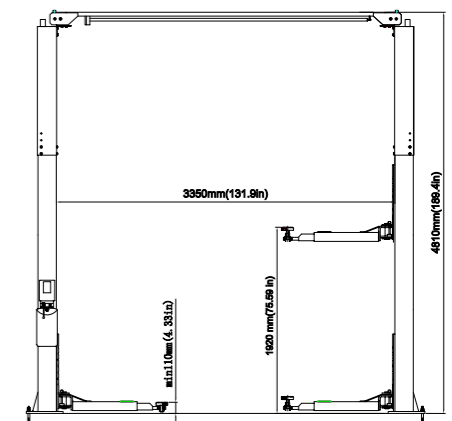
FEATURES

- 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 | -25°C~+55°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 | |

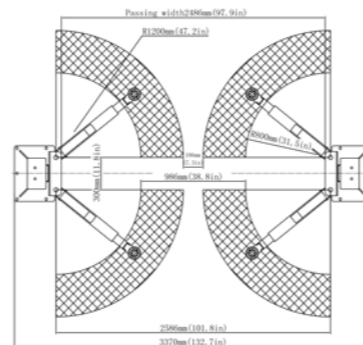
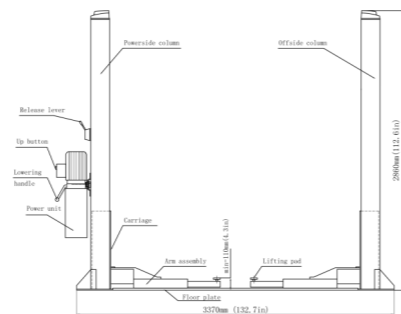
The TLT235SB(S) lift tool is designed based on international standard with Single manual safety unlocking system. It is CE certificated to meet the demand of the garages and workshops.

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 | -25°C~+55°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 |



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)

SPECIFICATION

| | | BASIC | CE STANDARD |
|------------------|---|-------|-------------|
| SWING ARM | 2 stage(800~1200)x4 | ● | ● |
| 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



| 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 | 640kg 1411lbs | 2486mm 97.9in | 3370mm 132.7in | 2860mm 112.6in |

CONFIGURATION

| | | BASIC | CE STANDARD |
|------------------|---|-------|-------------|
| SWING ARM | 2 stage(800~1200)x4 | ● | ● |
| 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 | ● | ● |

CONFIGURATION

| | 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 |

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 lift 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 | -25°C~+55°C |
| HEIGHT ABOVE SEA LEVEL | No more than 2000m |
| RATED LOAD | 3500kg(TLT235SBA) 4000kg(TLT240SBA) |
| LIFTING HEIGHT | 1920mm |
| INITIAL HEIGHT | 110mm |
| LIFTING TIME | ≤50s |
| LOWERING TIME | ≥20s ≤40s |
| PASSING WIDTH | 2486mm |
| OVERALL WIDTH | 3370mm |
| OVERALL HEIGHT | 2860mm |
| MOTOR POWER | 2.2kW |
| MOTOR VOLTAGE | 3 phase/380v or Single phase/220V |
| WORKING NOISE | 75dB(A) |
| WORKING OIL PRESSURE | 18MPa(TLT235SBA) 18MPa(TLT240SBA) |

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)x4 | ● |
| 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 | ● |



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

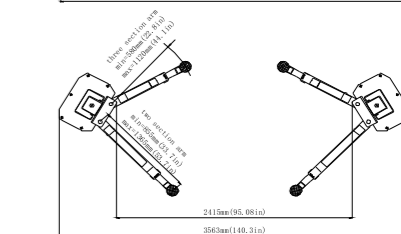
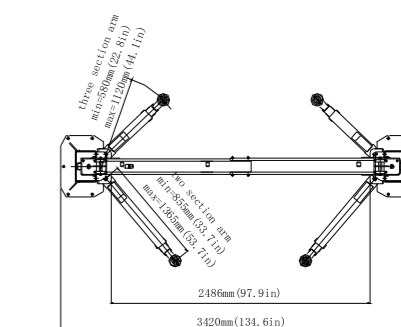
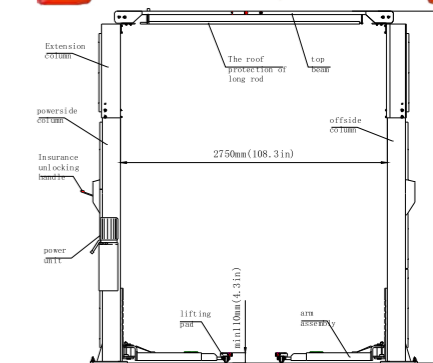
- Single manual safety unlocking system.
- The cable and oil pipe are fully concealed, with decent and elegant appearance.
- Top limit switch, effectively protects the vehicle from overhead collision.
- Dual hydraulic cylinders drive makes lifting and lowering stable.
- Manual lowering, safe and simple 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 110mm, 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 | -25°C~+55°C |
| HEIGHT ABOVE SEA LEVEL | No more than 2000m |
| WORKING NOISE | ≤75dB(A) |
| WORKING PRESSURE | 18MPa |
| MACHINE ELECTRICAL PARAMETERS | Motor(optional) |
| VOLTAGE | According to client's requirement |
| SINGLE PHASE | 220V/50Hz 2.2KW |
| SINGLE PHASE | 220V/60Hz 2.2KW |
| THREE PHASE | 380V/50Hz 2.2KW |

CONFIGURATION

| | | BASIC | CE STANDARD |
|-------------------------|---|-------|-------------|
| SWING ARM | 2 stage(800~1200)x4 | ● | ● |
| 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 | Asymmetric arm assembly 2stage(855-1365)*2 3stage(580-1120)*2 |
|  |  |  |

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 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 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 | -25°C~+55°C |
| HEIGHT ABOVE SEA LEVEL | No more than 2000m |
| RATED LOAD | 4000kg |
| LIFTING HEIGHT | 1850mm |
| 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 VOLTAGE | 3 phase/380v or Single phase/220V |
| WORKING NOISE | ≤75dB(A) |
| WORKING OIL PRESSURE | 18MPa |

OPTIONAL PARTS



CONFIGURATION

| | | CE STANDARD |
|------------------|--|-------------|
| SWING ARM | 2 stage(800~1200)x4 | ● |
| 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) | ● |
| WARRANTY | 1 year | ● |

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

| | TLT 210-AS | TLT 211-AS |
|------------------|---|---|
| SWING ARM | 2 stage(980~1570)x2 3 stage(600~1105)X2 | 2 stage(980~1570)x2 3 stage(600~1000)X2 |
| UNLOCKING SYSTEM | Single-side manual pull | Single-side manual pull |
| POWER UNIT | SPX(Underneath) 1.5KW 12L | SPX(Underneath) 1.5KW 12L |
| LIFTING PAD | Special double screws lifting pad | Special double screws lifting pad |
| SAFETY DEVICE | 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 |

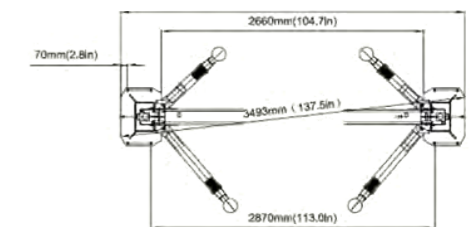
OPTIONAL PARTS (210-AS)



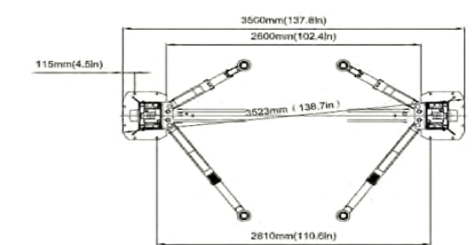
OPTIONAL PARTS (211-AS)



TLT210-AS



TLT211-AS



Overall Size

ATTENTION! The lift is intended for indoor installation only. It is prohibited to install the product outdoors. Operating environment temperature range should be -5°C~+40°C(23°F ~ 104°F). Failure to adhere will result in decertification, loss of warranty, and possible damage to the equipment.

| 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 | INITIAL 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 | 3500mm | 3786mm | 110mm | 5000kg |

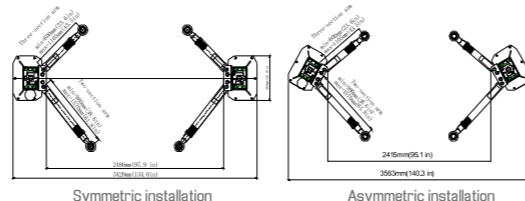
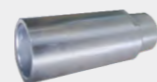
With double hydraulic cylinders and high strength chain drive, the TLT245AT lift tool guarantees a stable and smooth lifting and lowering. Its patented slider bracket design improves the replacing efficiency. TLT245AT is equipped with single-side manual safety unlocking system, 24V low voltage control box and cylinder travel limit switch. It is CE certificated to meet the demand of the garages and workshops.

FEATURES

- 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 | 18M Pa |

CONFIGURATION

| | | BASIC | CE STANDARD |
|-------------------------|---|-------|-------------|
| SWING ARM | 2 stage(980~1570)x2 3 stage(600~1105)x2 | ● | ● |
| UNLOCKING SYSTEM | Single-side manual pull | ● | ● |
| POWER UNIT | Domestic(Underneath) 2.2KW 10L | ● | ● |
| 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 | ● | ● |

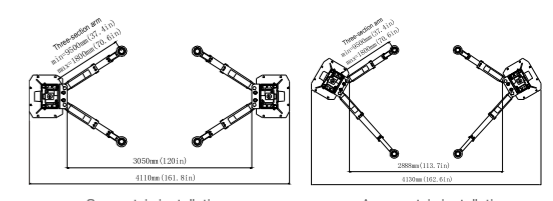
With double hydraulic cylinders and high strength chain drive, the TLT250AT lift tool guarantees a stable and smooth lifting and lowering. Its patented slider bracket design improves the replacing efficiency. TLT250AT is equipped with single-side manual safety unlocking system, 24V low voltage control 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 VOLTAGE | 3 phase/380v or Single phase/220V |
| WORKING NOISE | ≤75dB(A) |
| WORKING OIL PRESSURE | 20MPa |

CONFIGURATION

| | | BASIC | CE STANDARD |
|-------------------------|---|-------|-------------|
| SWING ARM | 3 stage(950~1800)x2 | ● | ● |
| 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 | ● | ● |

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.

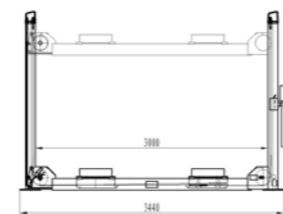
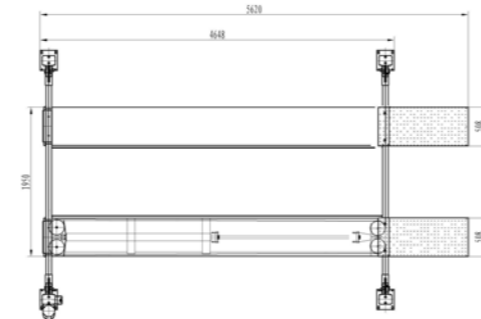
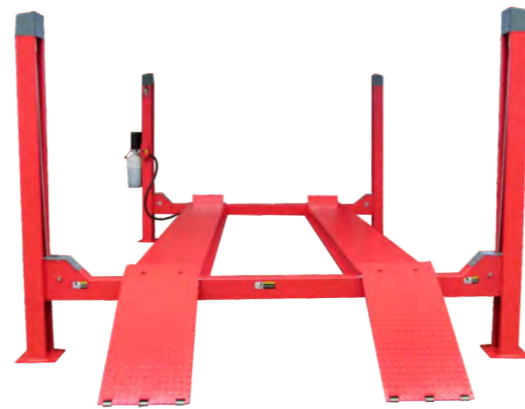
FEATURES

- 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 | 3045mm |

| | |
|----------------------|----------------------------------|
| PLATFORM LENGTH | 4240mm |
| PLATFORM WIDTH | 500mm |
| OVERALL WIDTH | 3445mm |
| OVERALL HEIGHT | 2172mm |
| MOTOR POWER | 2.2KW |
| MOTOR VOLTAGE | 3 phase/380V Singlephase/220V |
| WORKING NOISE | ≤70dB(A) |
| WORKING OIL PRESSURE | 16MPa |
| WORKING AIR PRESSURE | 0.5~0.7MPa |



Overall Size

CONFIGURATION

| | | BASIC | CE STANDARD |
|----------------------------------|---|-------|-------------|
| DRIVE ON RAMP ASSEMBLY | 508X1060mm | ● | ● |
| 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 | ● | ● |

With hydraulic cylinder and steel cable synchronization, the TLT440W 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

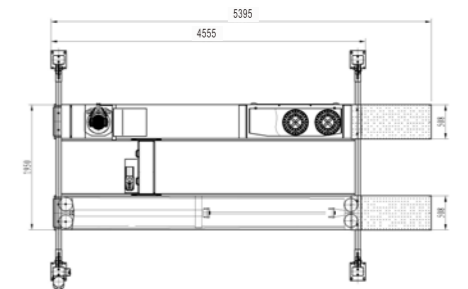
- Front wheel turn plates position is adjustable and rear wheel sliding plate is extended for various vehicle type.
- Deployed with rolling jack with small scissor hydraulic lifting and lowering, can be moved back and forth and easy to adjustment tire.
- Positioning levels accuracy is adjustable, distance 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.
- 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 HEIGHT | 220mm |
| LIFTING TIME | ≤60S |
| LOWERING 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 |



Overall Size

CONFIGURATION

| | | BASIC | CE STANDARD |
|------------------------|--|-------|-------------|
| DRIVE ON RAMP ASSEMBLY | 508X1060mm | ● | ● |
| UNLOCKING SYSTEM | Manual lowering device | ● | ● |
| POWER UNIT | Domestic 2.2KW 12L | ● | ● |
| SECONDARY LIFT | 2 ton | ● | ● |
| TURNTABLE | | ● | ● |
| SIDE SLIP PLATE | | ● | ● |
| SAFETY DEVICE | Control box, cylinder 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 | ● | ● |

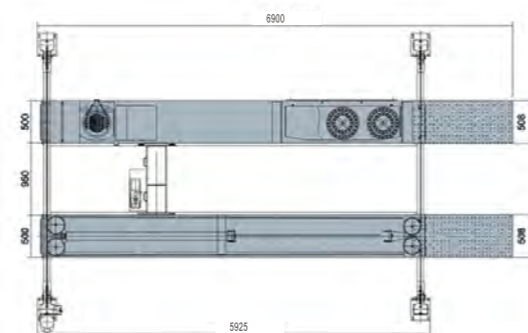
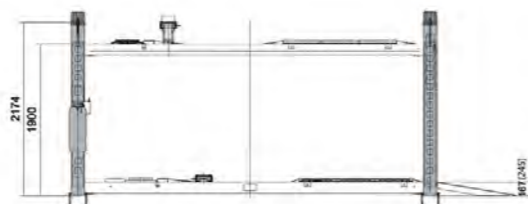
The TLT455W Wheel Alignment four-post lift tool guarantees a stable and smooth lifting and lowering. Two-layer concealed plate structure provides excellent synchronizing performance with the horizontal precision of 1mm. It is CE certificated to meet the demand of the garages and workshops.

FEATURES

- Front wheel turn plates 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.

SPECIFICATION

| | |
|---------------------------|-----------------------------------|
| RATED LOAD | 5500kg |
| LIFTING HEIGHT | 1900mm |
| INITIAL HEIGHT | 250mm |
| LIFTING TIME | ≤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 |



Overall Size

| 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 SMALL SCISSOR LIFT

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

- Hidden scissor structure and the rated load reaches 3500kg.
- The length of the platform is adjustable to apply to more vehicles.
- Separate control box in a low voltage controlling way is safer and better for operation.
- Hydraulic volume keeps the pace with the cylinder and the platform runs synchronously and smoothly.
- Double security design with the hydraulic lock and the mechanical double teeth safety claw keeps safe and reliable.
- Protection mechanism device for hydraulic failure, overload safety valve protection and pipe explosion-proof protection; the equipment will not fall quickly when the oil pipe bursts.
- Italy, Germany, Japan and other high-quality hydraulic components and electrical components are our standard configurations.
- Manual lowering device is equipped for power outage situations.



TLT635A

SPECIFICATION

| | |
|----------------------------|---|
| RATED LOAD | 3500kg |
| LIFTING HEIGHT | 2100mm |
| INITIAL HEIGHT | 320mm |
| RUNWAY LENGTH | 1550-1750mm |
| RUNWAY WIDTH | 550mm |
| LIFTING TIME | ≤50s |
| LOWERING TIME | ≤60s |
| MOTOR POWER | 2.2KW |
| MOTOR VOLTAGE | AC 400V or 230V ±5% 50Hz |
| DRIVE METHOD | Electro-hydraulic |
| HYDRAULIC OIL TYPE | 18L (self-purchase) #32 in winter; #46 in summer |
| AIR PRESSURE | 6-8kg/cm ² |
| WORKING TEMPERATURE | 5~40°C |
| NET WEIGHT | 720kg |

TLT635AF ULTRA-THIN SMALL SCISSOR LIFT

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

- Hidden scissor ultra-thin structure and the rated load reaches 3500kg.
- Separate control box in a low voltage controlling way is safer and better for operation.
- Hydraulic volume keeps the pace with the cylinder and the platform runs synchronously and smoothly.
- Double security design with the hydraulic lock and the mechanical tooth safety claw keeps safe and reliable.
- Protection mechanism device for hydraulic failure, overload safety valve protection and pipe explosion-proof protection; the equipment will not fall quickly when the oil pipe bursts.
- Italy, Germany, Japan and other high-quality hydraulic components and electrical components are our standard configurations.
- Manual lowering device is equipped for power outage situations.



TLT635AF

SPECIFICATION

| | |
|----------------------------|---|
| RATED LOAD | 3500kg |
| LIFTING HEIGHT | 1900mm |
| INITIAL HEIGHT | 105mm |
| RUNWAY LENGTH | 1495-2035mm |
| RUNWAY WIDTH | 616mm |
| LIFTING TIME | ≤50s |
| LOWERING TIME | ≤60s |
| MOTOR POWER | 2.2KW |
| MOTOR VOLTAGE | AC 400V or 230V ±5% 50Hz |
| DRIVE METHOD | Electro-hydraulic |
| HYDRAULIC OIL TYPE | 18L (self-purchase) #32 in winter; #46 in summer |
| AIR PRESSURE | 6-8kg/cm ² |
| WORKING TEMPERATURE | 5~40°C |
| NET WEIGHT | 860kg |

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

- Hidden scissor structure and the rated load reaches 4000kg.
- Space-saving style to maximize the workspace for diagnostic business.
- Separate control box in a low voltage controlling way is safer and better for operation.
- Hydraulic volume keeps the pace with the cylinder and the platform runs synchronously and smoothly.
- Double security design with the hydraulic lock and the mechanical double teeth safety claw keeps safe and reliable.
- Automatic lowering design and the safety claw can achieve reverse positioning by the locking operation.
- Protection mechanism device for hydraulic failure, overload safety valve protection and pipe explosion-proof protection; the equipment will not fall quickly when the oil pipe bursts.
- The sliding block is oil-free and in super wear-resistant material.
- Italy, Germany, Japan and other high-quality hydraulic components and electrical components are our standard configurations.
- Strong horizontal adjustment ability for precisely adjusting horizontal accuracy, super fittable for the four-wheel alignment detection.
- Manual lowering device is equipped for power outage situations.

SPECIFICATION

| | |
|-----------------------|--------|
| RATED LOAD | 4000kg |
| LIFTING HEIGHT | 1850mm |
| INITIAL HEIGHT | 330mm |
| RUNWAY LENGTH | 4300mm |
| RUNWAY WIDTH | 605mm |
| LIFTING TIME | ≤50s |
| LOWERING TIME | ≤60s |
| MOTOR POWER | 2.2KW |

| | |
|----------------------------|--|
| MOTOR VOLTAGE | AC 400V or 230V ±5% 50Hz |
| DRIVE METHOD | Electro-hydraulic |
| HYDRAULIC OIL TYPE | 18L(self-purchase) #32 in winter; #46 in summer |
| AIR PRESSURE | 6-8kg/cm ² |
| WORKING TEMPERATURE | 5~40°C |
| NET WEIGHT | 2000kg |

The TLT840WAF Big Scissor Lift takes space-saving style to save most workspace for diagnostic business. The hidden scissor structure is ultra-thin and 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

- Hidden scissor structure and the rated load reaches 4000kg.
- Space-saving style to maximize the workspace for diagnostic business.
- Separate control box in a low voltage controlling way is safer and better for operation.
- Hydraulic volume keeps the pace with the cylinder and the platform runs synchronously and smoothly.
- Double security design with the hydraulic lock and the mechanical double teeth safety claw keeps safe and reliable.
- Automatic lowering design and the safety claw can achieve reverse positioning by the locking operation.
- Protection mechanism device for hydraulic failure, overload safety valve protection and pipe explosion-proof protection; the equipment will not fall quickly when the oil pipe bursts.
- The sliding block is oil-free and in super wear-resistant material.
- Italy, Germany, Japan and other high-quality hydraulic components and electrical components are our standard configurations.
- Strong horizontal adjustment ability for precisely adjusting horizontal accuracy, super fittable for the four-wheel alignment detection.
- Manual lowering device is equipped for power outage situations.

SPECIFICATION

| | |
|-----------------------|--------|
| RATED LOAD | 4000kg |
| LIFTING HEIGHT | 1850mm |
| INITIAL HEIGHT | 160mm |
| RUNWAY LENGTH | 4500mm |
| RUNWAY WIDTH | 680mm |
| LIFTING TIME | ≤50s |
| LOWERING TIME | ≤60s |
| MOTOR POWER | 2.2KW |

| | |
|----------------------------|--|
| MOTOR VOLTAGE | AC 400V or 230V ±5% 50Hz |
| DRIVE METHOD | Electro-hydraulic |
| HYDRAULIC OIL TYP | 18L(self-purchase) #32 in winter; #46 in summer |
| AIR PRESSURE | 6-8kg/cm ² |
| WORKING TEMPERATURE | 5~40°C |
| NET WEIGHT | 2500kg |