



Innovation makes superior



CATALOGUE

www.jltechno.com



Established in 2009 in Shenzhen, China, J&L Techno was an initial of joint effort and passion of 4 men:

A former area manager of a well-known company that focus on garage equipment.

An aligner expert, former chief R&D engineer of CCD and 3D aligner in 4 different alignment machine factories, 10 years experience in this industry.

A software engineer and a hardware engineer with respectively 8 and 10 years experience in automotive diagnostics.

From the beginning of J&L Techno, the direction was project-oriented; we focus on various projects for different companies, in automotive diagnostics and wheel alignment, which were proved to be very succesful. In a meeting in middle 2010, we came to a decision that we should make our own products, to make it highly flexible to fit different client's needs. We became an OEM service provider.

Till today, J&L Techno's products ranges from CCD wheel aligner, 3D wheel aligner, A/C service station, injector cleaner and automotive leak locator, with a lot of innovative practices.

We aim to spread joyful user experience worldwide at a reasonable price, with or without our brand name; and full support and customization were promised!



SMOKE**ALL100**
Automotive Leak Locator

Feature

▶ **Simple To Operate**

The Smoke Automotive Leak Locator is easily controlled with a timer setting and flow control. Set the timer then the machine will generate smoke, and control the flow with the flow controller.

The output is regulated to 12~14 Inches of Water Column, this pressure is perfect to perform leak test of EVAP system and other automotive systems with no damage to the vehicle sealing.

▶ **Save time and fast leak detect**

In most cases, a scan tool may find out pressure sensors abnormal etc., while actually the 'pressure low' problem is caused by leak somewhere.

▶ **Multi-function**

The Smoke Automotive Leak Locator is a multi purpose tool essential for EVAP system, but also applicable for: EGR valves, Gaskets & Fittings, Hoses, Worn throttle shafts, Break boosters, Catalytic converters, Oil Leak, Lamp housings, Manifolds and more....

▶ **LED time indicator, Adjustable air flow and operating time**

1 ~ 20 minutes adjustable timer and air flow to perform leak test on different system that requires different flow amount.

▶ **Inbuilt air compressor**

Performing leak test with no external air compressor, which may not be available for every workshop.

▶ **Various fittings**

For different application needs

▶ **3 Color LED torch**

To help find leak in different brightness circumstance

Function

- ▶ Vacuum Leak Test
- ▶ Exhaust Leak Test
- ▶ Under Dash Leaks
- ▶ EVAP Leak Test
- ▶ Manifold Leak Test
- ▶ And more ...

Specification

- ▶ Air pressure: 0.03~0.035bar
- ▶ Air flow: 0.1~1.0 L/MIN
- ▶ Power: DC12V
- ▶ Packing: Carton box
- ▶ Weight: 5.5kg
- ▶ Dimension: L375 x W185 x H340 mm

10 Reasons to buy an ALL-100 Smoke Automotive Leak Locator



1. ALL-100 is a best tool for generating income.

Professional that no other tool can find the problem faster, It's your best helper for trouble shooting a vehicle system.

2. Increase income per service.

By finding more hidden problems in a vehicle with ALL-100, and prove to vehicle owner the necessity of extra service request, this tool will help increase your income per service.

3. ALL-100 helps reduce your labor cost.

Help technician to locate the problem correctly in short time, avoid possibility of wrong diagnosis of the vehicle.

4. The scanner in your workshop only can do 50% of the diagnosis work.

A scanner may tell you failure or incorrect value of a sensor, but won't tell you why. ALL-100 is a best mate for scanner, to help you find out why. E.g. pressure abnormal, thin/thick fuel flow etc.



5. ALL-100 brings you capability of more service call.

By reducing your repair service time cost, it will make your workshop capable of accepting more service request.

6. Ease the pain of technician in finding leaks.

The vehicle driven in the workshop with engine running hot, which put technician in a bad working condition. with ALL-100, technician don't have to touch the hot surface, reduce possibility of getting hurt in work.

7. ALL-100 makes your workshop more professional in facing customers.

Your customer may feel sorry for you if you still jump onto and off the hood using the traditional soap bubble method. ALL-100 will make technician's work more professional and impressive with convincing result.

8. Increase customer satisfaction level.

By fast and complete repair service with help of ALL-100, customer will be happier that the vehicle back to sound condition with less waiting.



Multi-function

- EVAP Leak Test
- Exhaust Leak Test
- Under Dash Test
- Manifold Leak Test
- Oil Tank/Pipe Leak Test
- Vacuum Leak Test
- And more ...

9. Increase working condition in your workshop.

With inbuilt medical level noiseless air compressor, you don't have to bring the long-long air compressor hose; don't have to bear the big noise of air compressor.

10. No worries on chemical supply.

Order from the manufacturer more refill chemical? NO!!! Buy a bottle of mineral oil from drug store, or a bottle of mineral oil based baby oil from the super market.

Flex3D T10



Feature



Reinforced lateral beam



5.0M pixel japan imported cameras



Waterproof targets



1.2 Meter measure height range



Vehicle position auto adjustment



Push vehicle compensation



Super-large vehicle database



Install-and-work! Do NOT need calibration.

Specification

Item	Precision	Range
Front Total Toe-in	$\pm 0.02^\circ$	$\pm 20^\circ$
Camber	$\pm 0.01^\circ$	$\pm 20^\circ$
Caster	$\pm 0.02^\circ$	$\pm 20^\circ$
SAI/KPI	$\pm 0.02^\circ$	$\pm 20^\circ$
Setback	$\pm 0.02^\circ$	$\pm 5^\circ$
Tread	$\pm 2\text{mm}$	
Wheelbase	$\pm 2\text{mm}$	

Note: The above accuracy can be confirmed only when the user follows the specified operation procedures as instructed in the user manual.

Requirements on Surroundings

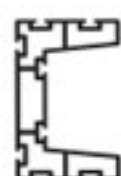
Ambient Temperature - $20^\circ\text{C} \sim +50^\circ\text{C}$
Relative Humidity $\leq 90\%$

Flex3D T12



Height adjustable Column

Feature



Reinforced lateral beam



5.0M pixel japan imported cameras



Waterproof targets



1.2 Meter measure height range



Vehicle position auto adjustment



Push vehicle compensation



Super-large vehicle database



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Requirements on Surroundings

Ambient Temperature - $20^\circ\text{C} \sim +50^\circ\text{C}$
Relative Humidity $\leq 90\%$

Flex3D wheel aligner is stable, accurate, low cost, and easy-to-maintain 2 camera wheel alignment system. specially designed for clients who need to expand their business with high performance equipment requirement. This product has outstanding & unique feature and the most advanced technology to ensure the growth of your company fame.

Flex3D wheel aligner is a break through of the current 3D wheel alignment technology. suitable for car manufacturer workshops, independent workshops or tire service shop with a high amount of wheel alignments at an affordable cost.

Professional

- ▶ Dual camera system (imported from Japan)
- ▶ Dual-core CPU computer system
- ▶ Waterproof targets*
- ▶ 24 inch clamps
- ▶ Calibration Free*
- ▶ Up to 120cm lifting range
- ▶ Auto lift platform compensation
- ▶ Auto vehicle compensation
- ▶ Super-large vehicle database

Stable

- ▶ Reinforce structure of lateral beam to ensure accuracy in different temperature

Durable

- ▶ Waterproof targets
- ▶ Long life high-speed camera system
- ▶ 3 years warranty

Affordable

- ▶ Camera interchangeable
- ▶ Free vehicle database update twice a year

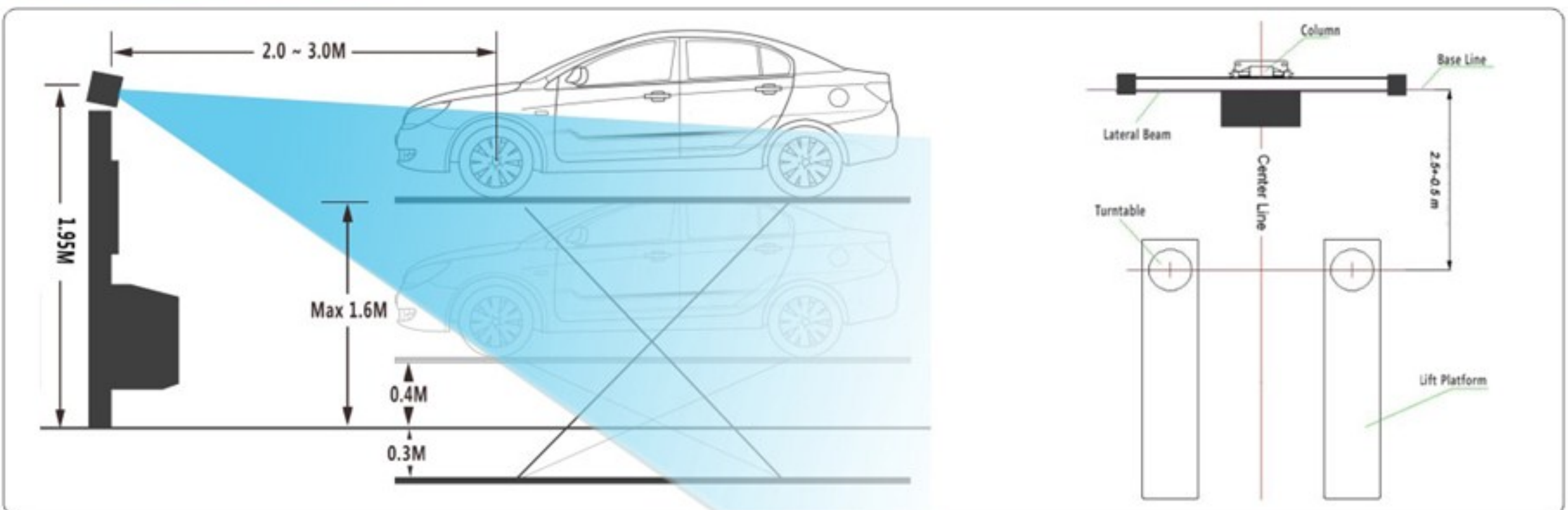
* Calibration Free

Calibration of the Flex3D wheel alignment system was will not in the factory, doesnt need on-site calibration on installation. this outstanding feature saves a lot of work and make installation of the equipment super easy.

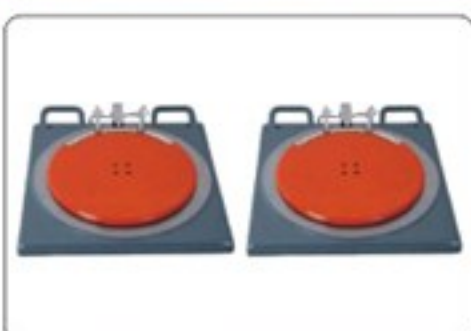
* Waterproof targets

The targets plates are well sealed to avoid possible damage from liquid like water or oil.

Installation



Accessories



Big size turntable



Steering wheel holder



Brake pedal depressor



24-inch wheel clamps



FlexCCD Economic



ZigBee
Communication
Technology

FlexCCD wheel aligner is stable, accurate, low cost, and easy-to-maintain 4 CCD wheel aligner, specially designed for clients who need to expand their business with limited budget. With featured zigbee wireless data transfer technology, FlexCCD is more Stable and advanced than bluetooth or 433MHz RF equipped wheel aligners.

Professional

- ▶ High accuracy
- ▶ 6 meter wheel base
- ▶ 4 toe sensors
- ▶ Fast & stable data transfer
- ▶ 24 inch clamps
- ▶ Super large databank

Affordable

- ▶ Best price/performance ratio

Flexible

- ▶ PC-free mode
- ▶ Automatic detect low chassis
- ▶ Interchangeable sensor heads

Specification

Item	Precision	Range
Front Total Toe-in	$\pm 4'$ ($\pm 0.02^\circ$)	$\pm 20^\circ$
Camber	$\pm 2'$ ($\pm 0.01^\circ$)	$\pm 20^\circ$
Caster	$\pm 6'$ ($\pm 0.1^\circ$)	$\pm 20^\circ$
SAI/KPI	$\pm 6'$ ($\pm 0.1^\circ$)	$\pm 20^\circ$
Setback	$\pm 2'$ ($\pm 0.03^\circ$)	$\pm 5^\circ$
Thrust Angle	$\pm 2'$ ($\pm 0.03^\circ$)	$\pm 6^\circ$

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Requirements on Surroundings

Ambient Temperature - $20^\circ\text{C} \sim +50^\circ\text{C}$
Relative Humidity $\leq 90\%$

Accessories



Turntable



Steering wheel holder



Brake pedal depressor



24-inch wheel clamps

FlexCCD



ZigBee
Communication
Technology

FlexCCD wheel aligner is stable, accurate, low cost, and easy-to-maintain 8 CCD wheel aligner, specially designed for clients who need to expand their business. With featured zigbee wireless data transfer technology, FlexCCD is more Stable and advanced than bluetooth or 433MHz RF equipped wheel aligners.

Professional

- ▶ High accuracy
- ▶ 6 meter wheel base
- ▶ 8 toe sensors
- ▶ Fast & stable data transfer
- ▶ 24 inch clamps
- ▶ Super large databank

Affordable

- ▶ Best price/performance ratio

Flexible

- ▶ PC-free mode
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Accessories



Turntable



Steering wheel holder

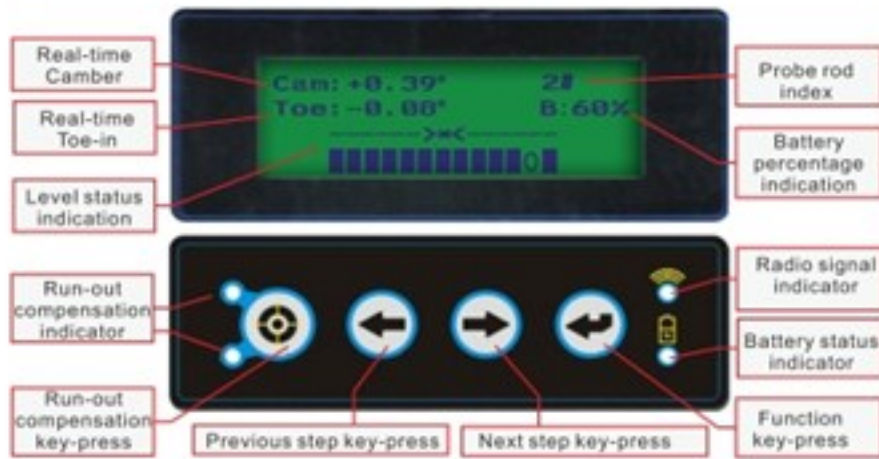


Brake pedal depressor



24-inch wheel clamps

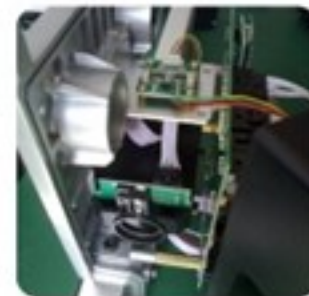
Feature



- ▶ Smart key
- ▶ LCD display
- ▶ Real-time toe-in, camber display
- ▶ Level indicator
- ▶ Battery percentage display
- ▶ Battery status indicator
- ▶ Low Battery warning light
- ▶ Radio signal status indicator



- ▶ Adjustment indicator on sensor head



- ▶ Calibration value backup in sensor heads
- ▶ Modularized structure, Components replaceable without calibration
- ▶ Zigbee wireless communication Technology



- ▶ Quick measurement
- ▶ Standard measurement
- ▶ Extension measurement
- ▶ Turn angle measurement
- ▶ Customer database
- ▶ Low chassis auto-detect
- ▶ Lift platform compensation
- ▶ X-large database
- ▶ Adjustment reference database



Reference Book

- ▶ Know-How of alignment knowledge.



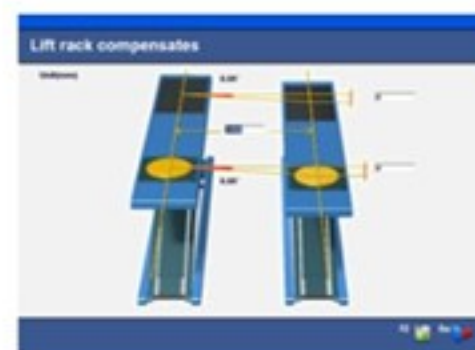
Zoom in function

- ▶ Enlargeable indication area helps to easy monitor of the data during adjustment



Animation&audio

- ▶ Instructed operation guide, help ease the pain of training.
- ▶ Audio guide ensure more attention to alignment work



Lift rack compensation

- ▶ Scissor lifts and four post lift are not always balanced, lift rack compensation ensure the accuracy of alignment.



Easy Calibration

- ▶ Four steps required to perform calibration work, in less than 10 minutes.

Wheel Aligner OEM Service

J&L Techno Ltd, a professional company that in hold of 100% technology of our products. With years of R&D experience in the industry, we understand the pain of the product distributor & dealers worldwide. It might be a good idea to have your own product.

What we offer?

- ▶ Provide OEM service, with your brand name and your company image.
- ▶ OEM for no more than 2 clients in one country, with different design in software.
- ▶ Provide core components of wheel aligner only. You make your own design of cabinet etc. locally.
- ▶ Full pack of dealer tool is provided, including database management tool (CCD and 3D), tools for config mainboard and communication module(CCD), etc.
- ▶ One year free warranty on durable parts.
- ▶ 5 years continuous parts supply (if the model stop production according to the market requirement).
- ▶ 7/24 tech support, response within 8 hours.

What we require?

- ▶ Your own designed graphs according to the software dimension requirement.
- ▶ Continuous order

	FlexCCD	Flex3D
Level 1 OEM	3 units/month (average) MOQ 5 units/order	2 units/month (average) MOQ 5 units/order
Level 2 OEM	6 units/month (average) MOQ 10 units/order	4 units/month (average) MOQ 10 units/order

OEM Specifications

Hardware

FlexCCD	Flex3D
Probe Rods(sensors) * No customization	Lateral Bar assembly(with cameras) * No customization
Communication module	Targets
Recharge Module	USB Dongle
USB Dongle	Wheel Clamp(Optional)
Wheel clamps(Optional)	Cabinet(Optional)
Cabinet(Optional)	Column(Optional)

Software

Level 1 OEM	Level 2 OEM
Customization on main screen, including background, button style.	Level 1 OEM
Put your company logo on every page	Button style, color theme on every page.

Note: without change structure of the layout

Note: Change structure of the layout if required.

Specification

- ▶ Voltage: AC220V~50/60Hz AC110V~60HZ
- ▶ Vacuum pump: 4.5CFM, 10Pa
- ▶ Compressor: 12cc
- ▶ Tank scale precision: $\pm 10g$
- ▶ Precision of oil bottle scale : $\pm 5ml$
- ▶ Max pressure: 17.5bar
- ▶ Tank capacity: 12L
- ▶ LCD size: 5 inch
- ▶ Thermo printer

Functions

- ▶ Recovery
- ▶ Vacuum
- ▶ A/C system cleaning
- ▶ Automatic or Manual Adding new oil
- ▶ Database
- ▶ Printer
- ▶ COM Update
- ▶ Automatic / Manual drain the used oil
- ▶ Quantitative recharge
- ▶ Multifold alarm
- ▶ Maintenance program
- ▶ Electric scale
- ▶ Parameter settings

Features

- ▶ With automotive air conditioning pipe cleaning function, improved air conditioning performance.
- ▶ Have forward cleaning, reverse cleaning, pulse cleaning and other functions, which greatly improve the cleaning effect.
- ▶ Large-size glass window, with LED backlight, provide visual indication of the cleaning and recovery process.
- ▶ Vertical installation of pressure gauges, which can help you to easily monitor the pressure parameters.
- ▶ Unique pipeline design, to ensure the high recycling rate of the gaseous and liquid recovery.
- ▶ Interface is simple, easy to grasp and use.
- ▶ Vehicle A/C specification database
- ▶ Report printing

AMC-800



Modularization design
Patent modularized structure



Refrigerant quality monitor



Easy for monitor pressure



Double fans for better cooling



Electronic controlled oil refill and drain

AMC-200



Specification

- ▶ Voltage: AC220V~50/60Hz AC110V~60HZ
- ▶ Vacuum pump: 4.5CFM, 10Pa
- ▶ Compressor: 12cc
- ▶ Tank scale precision: $\pm 10g$
- ▶ Max pressure: 17.5bar
- ▶ Tank capacity: 12L
- ▶ LED display

Functions

- ▶ Recovery
- ▶ Vacuum
- ▶ A/C system cleaning
- ▶ Automatic / Manual drain the used oil
- ▶ Manual oil refill
- ▶ Quantitative recharge
- ▶ Multifold alarm
- ▶ Maintenance program
- ▶ Electric scale
- ▶ Parameter settings

Accessories



Easy for monitor pressure



Double fans for better cooling

Features

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Electronic controlled oil refill and drain



Modularization design
Patent modularized structure



Refrigerant quality monitor



Easy to use operation panel

IMT-600N



IMT-610N



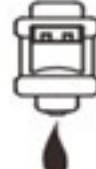
Function



Ultrasonic cleaning



Uniformity/spray test



Leakage test



Fuel flow test



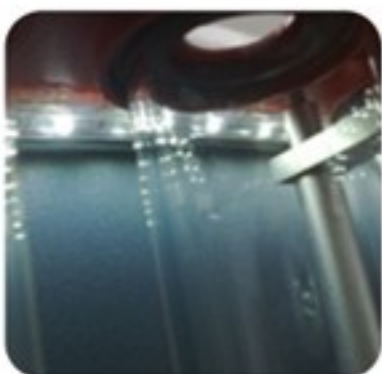
On-vehicle test
(optional adaptors)

Feature

- ▶ Modularized structure design
- ▶ LED backlit
- ▶ Inbuilt cooling system
- ▶ Durable seals
- ▶ Independent function key
- ▶ Direct flush
- ▶ Reverse flush
- ▶ Electronic drain
- ▶ Wheel brakes(IMT-610N)
- ▶ Full set adaptors

Specification

- ▶ Voltage: AC220V/110V
- ▶ Main unit power: 200W
- ▶ Ultrasonic cleaner power: 100W
- ▶ Pressure: 0 ~ 7 bar adjustable
- ▶ Accuracy of Tube: 2%
- ▶ PRM range: 0 ~ 9999 RPM, step: 10 RPM
- ▶ PW range: 0.1 ~ 30ms, step: 0.1ms
- ▶ Timing: 1 ~ 30 minutes
- ▶ Display: LED
- ▶ Keyboard: Membrane



LED backlit



Easy-to-Operate
control panel



On-top
test fluid refill



Cooling system



Electronic drain

CFS-100A



Function

- ▶ Fuel system on-vehicle cleaning
- ▶ Intake pipe cleaning
- ▶ Catalytic converter cleaning
- ▶ Throttle cleaning

Feature

- ▶ Detailed design, easier operation
- ▶ Stable performance

Specification

- ▶ Pressure: 0~6.5bar
- ▶ Various fittings

CFS-200A



Function

- ▶ Fuel system on-vehicle cleaning
- ▶ Intake pipe cleaning
- ▶ Catalytic converter cleaning
- ▶ Throttle cleaning

Feature

- ▶ Detailed design, easier operation
- ▶ Stable performance

Specification

- ▶ Pressure: 0~6.5bar
- ▶ Various fittings





J&L Techno Ltd

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