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**::: TYRE CHANGER :::**

**:: Model :- T522 ::**



**::: TECHNICAL DETAILS :::**

Rim clamping Range	10" to 22"
Max. wheel width	3" to 14"
External Rim clamping	10" to 19"
Internal Rim clamping	12" to 22"
Max. wheel diameter	1040mm (41")
Max. wheel width	355mm (14")
Motor power	0.75/1.1kw
Compress Air require	8 - 10 bar
Noise level	≤ 70db
Shovel force	2500 kg



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::: TYRE CHANGER :::

:: Model :- T524 ::



::: TECHNICAL DETAILS :::

Rim clamping from outside	11"-20"
Rim clamping from inside	12"-24"
Max. wheel diameter	980mm
Wheel width	3"-12"
Operating pressure	8-10bar
Motor power	0.75/1.1kw
Noise level	<75dB
Weight	229kg
Packing size	1050x810x990mm



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**:: MAIN FUNCTIONS & FEATURES ::**

1. Semi-automatic tire changer with swing arm
2. The mounting head is made of special steel which is wearable, unplayable and unbreakable.
3. The clamp is made of special material, be able to bear long time.
4. The pedal assembly adopts the drawer structure in order to remove and maintain expediently.
5. Standard configuration 20" turntable to clamp 10"-20" rim from rim outside.



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::: TYRE CHANGER :::

:: Model :- T624 ::



**::: TECHNICAL DETAILS :::**

Rim clamping from outside	11"-20"
Rim clamping from inside	12"-24"
Max. wheel diameter	930mm
Wheel width	3"-12"
Operating pressure	8-10bar
Motor power	0.75/1.1kw
Noise level	<75dB
Weight	270kg
Packing size	980x760x1010mm



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**:: MAIN FUNCTIONS & FEATURES ::**

1. Semi-automatic tire changer with tilt arm
2. The mounting head is made of special steel which is wearable, unplayable and unbreakable.
3. pneumatic-lock
4. The clamp is made of special material, be able to bear long time.
5. The pedal assembly adopts the drawer structure in order to remove and maintain expediently.



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::: TYRE CHANGER :::

:: Model :- T624IT ::



**::: TECHNICAL DETAILS :::**

Rim clamping from outside	11"-20"
Rim clamping from inside	12"-24"
Max. wheel diameter	930mm
Wheel width	3"-12"
Operating pressure	8-10bar
Motor power	0.75/1.1kw
Noise level	<75dB
Weight	270kg
Packing size	980x760x1010mm



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**:: MAIN FUNCTIONS & FEATURES ::**

1. Semi-automatic tire changer with tilt arm
2. The mounting head is made of special steel which is wearable, unplayable and unbreakable.
3. pneumatic-lock
4. The clamp is made of special material, be able to bear long time.
5. The pedal assembly adopts the drawer structure in order to remove and maintain expediently.
6. Provide exhaust inflation function to help the tire stick against the rim closely very fast.



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::: TYRE CHANGER :::  
:: Model :- T624ITR ::



**::: TECHNICAL DETAILS :::**

Rim clamping from outside	11"-20"
Rim clamping from inside	12"-24"
Max. wheel diameter	930mm
Wheel width	3"-12"
Operating pressure	8-10bar
Motor power	0.75/1.1kw
Noise level	<75dB
Weight (Machine + Helper)	270 + 90 = 360kg
Packing size (Machine)	980x760x1010mm
Packing size (Helper arms)	1280x550x450mm



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**:: MAIN FUNCTIONS & FEATURES ::**

1. Semi-automatic tire changer with tilt arm
2. The mounting head is made of specail steel which is wearable, unplayable and unbreakable.
3. pneumatic-lock
4. The clamp is made of specail material, be able to bear long time.
5. The pedal assembly adopts the drawer structure in order to remove and maintain expediently.
6. Provide exhaust inflation function to help the tire stick against the rim closely very fast.
7. There's right helper as the standard configuration to demount the flat and hard tire expediently.



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**:: TRUCK TYRE CHANGER - Fully Automatic ::**  
**:: Model :- T980 ::**



**:: TECHNICAL DETAILS ::**

Max. tyre diameter	2500mm
Max. tyre width	1200mm
Max. wheel width	2000mm
Noise level	<75dB
Rim diameter	14"-46"
Extension jaws assembly (optional)	47"-56"
Hydraulic pump motor	2.4/3.0kw, 415v, 3ph
Gearbox motor	2.4/3.0kw, 415v, 3ph
Weight	1300kg
Packing size	2310x2100x1100mm



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**:: MAIN FUNCTIONS & FEATURES ::**

1. Automatic horizontal type truck tyre changer.
2. It's used to demount/mount the tubeless tire/wheel of Truck, Bus, Tractors & Earthmoving vehicles tyres.
3. Clockwise & anticlockwise rotation of the clamp range 14" – 46" (With extension jaws 46"-56" – Optional).
4. Electro hydraulic operation.
5. Movable control unit.
6. Bi-Directional chuck with 2 rotational speeds.



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**:: TRUCK TYRE CHANGER ::**  
**:: Model :- PL 2900 ::**



**:: TECHNICAL DETAILS ::**

Pump motor	1.5kw
Rotating motor	2.2kw
Rim diameter	14" -26"
Max. tyre diameter	1600mm
Max. tyre width	780mm
Max. tyre weight	500kg
Weight	670kg
Packing size	2000x1580x950mm

**:: MAIN FUNCTIONS & FEATURES ::**

1. Clockwise & anticlockwise rotation of the clamp range 14" - 26"
2. Automatic electro-hydraulic operation
3. Movable control unit
4. Hydraulic motor with pressure adjustment device
5. Automatic fast turning
6. Lifting arm and tool carrier arm can move simultaneously to get closer



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::: TRUCK TYRE CHANGER :::

:: Model :- PL 2960 ::



**::: TECHNICAL DETAILS :::**

Pump motor	2.2kw
Rotating motor	2.2kw
Rim diameter	14" -42"
Max. tyre diameter	2300mm
Max. tyre width	1065mm
Max. tyre weight	1200kg
Weight	860kg
Packing size	2100x1700x1080mm

**::: MAIN FUNCTIONS & FEATURES :::**

1. Clockwise & anticlockwise rotation of the clamp range 14" - 42"
2. Electro-hydraulic operation
3. Movable control unit
4. Hydraulic motor with pressure adjustment device
5. Automatic fast turning



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**:: TRUCK TYRE CHANGER ::**  
**:: Model :- PL 2980 ::**



**:: TECHNICAL DETAILS ::**

Pump motor	3.0/4.0kw
Rotating motor	2.4/3.0kw
Rim diameter	14" -56" with Extension Jaw
Max. tyre diameter	2500mm
Max. tyre width	1200mm
Max. tyre weight	2200kg
Weight	1080kg
Packing size	2300x2110x1100mm

**:: MAIN FUNCTIONS & FEATURES ::**

1. Clockwise & anticlockwise rotation of the clamp range 14" - 56"
2. Electro-hydraulic operation
3. Movable control unit
4. Hydraulic motor with pressure adjustment device
5. Automatic fast turning
6. Portable console, double speed of both pump & rotating motor



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::: WHEEL BALANCER :::

:: Model :- WB 505 ::



**::: TECHNICAL DETAILS :::**

Rim diameter	12"-24"
Max. wheel weight	70kg
Max. wheel diameter	960mm
Rim width	1.5"-20"
Resolution	215rpm
Balancing precision	+1g
Motor power	220v, 1ph
Weight	118kg



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::: WHEEL BALANCER :::  
:: Model :- CWB 510 ::



:: TECHNICAL DETAILS ::

Rim diameter	12"-24"
Max. wheel weight	70kg
Max. wheel diameter	960mm
Rim width	1.5"-20"
Resolution	215rpm
Balancing precision	$\pm 1g$
Motor power	220v, 1ph
Weight	118kg
Packing size	1400x1400x1700mm



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:: WHEEL BALANCER ::

:: Model :- W61 ::



**:: TECHNICAL DETAILS ::**

Rim diameter	10"-24"
Max. wheel weight	65kg
Max. wheel diameter	1000mm
Rim width	1.5"-20"
Resolution	200rpm
Balancing precision	+1g
Motor power	220v, 1ph
Weight	157kg
Packing size	930x710x1180mm



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**:: MAIN FUNCTIONS & FEATURES ::**

1. A Wheel Balancer with self-owned intellectual property.
2. With DYN/STA and various balancing mode and MOT balancing mode.
3. Customize the balance operation habit to increase the working efficiency. With protective hood control, unit definition and the minimum unbalancing option function.
4. With various creative data input modes, it can easily realize the data increase and decrease by rotating the tire.
5. Self calibration is easy to operate, this function can quickly restore the precision of the machine which is unused for a long time or losing precision.
6. Optional equipped with motor adaptor, with MOT balancing mode.
7. Simple outlook and big capacity of weight container



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:: WHEEL BALANCER ::

:: Model :- W63 ::



**:: TECHNICAL DETAILS ::**

Rim diameter	10"-26" / 26"-30"
Max. wheel weight	75kg
Max. wheel diameter	1200mm
Rim width	1.5"-20"
Resolution	200rpm
Balancing precision	+1g
Motor power	220v, 1ph
Weight	192kg
Packing size	1060x710x1180mm



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**:: MAIN FUNCTIONS & FEATURES ::**

1. Automatic wheel balancer with the software which was research designed by ourselves
2. This machine has the balance modes including of dynamic, static, kinds of ALU mode and motorcycle mode.
3. More precise self-define ALU mode, OPT mode and hidden weight function.
4. Permit customer themselves define and edit the balance operation setup according to their requirements.
5. Super big LED display and customer can have a good view when operate the machine.
6. The good looking mold plastic weight tray adopts the Euro design and picking up the tools on it is convenient.
7. With patent technology of the weight position mark function, can fix the inner and outer unbalance position correctly.
8. Equipped with inch to millimetre and gram to ounce conversion function.
9. Standard 40mm thread shaft can be used as the universal accessory for the domestic and overseas standard wheel balancer, flange disk and lock-thread all undertaken supersonic quench and milling. Strong, durable and beautiful.
10. The display is divided with the weight tray so that cannot be damaged when operate the machine to make the long time for using the membrane.
11. The protective cover is standard configuration and can open or close the function of the cover.
12. The customer can setup the minimum weight to display according to their requirement.
13. With humanistic four intelligent store modes, can store the specification and balancing mode according to the user's requirement, which make sure the user to select the data directly while balancing the tire with high efficiency.
14. Automatic measuring scale can extend so that ensure to measure 10"-30" tire without any other accessory.
15. Equipped with pedal break, which ensure the precise of sticking the weight.



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:: WHEEL BALANCER ::

:: Model :- W64 ::



**:: TECHNICAL DETAILS ::**

Rim diameter	10"-26" / 26"-30"
Max. wheel weight	75kg
Max. wheel diameter	1200mm
Rim width	1.5"-20"
Resolution	200rpm
Balancing precision	+1g
Motor power	220v, 1ph
Weight	194kg
Packing size	1060x710x1180mm



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**:: MAIN FUNCTIONS & FEATURES ::**

1. Automatic wheel balancer with the software which was research designed by ourselves
2. This machine has the balance modes including of dynamic, static, kinds of ALU mode and motorcycle mode.
3. More precise self-define ALU mode, OPT mode and hidden weight function.
4. Permit customer themselves define and edit the balance operation setup according to their requirements.
5. Super big LED display and customer can have a good view when operate the machine.
6. The good looking mold plastic weight tray adopts the Euro design and picking up the tools on it is convenient.
7. With patent technology of the weight position mark function, can fix the inner and outer unbalance position correctly.
8. Equipped with inch to millimetre and gram to ounce conversion function.
9. Standard 40mm thread shaft can be used as the universal accessory for the domestic and overseas standard wheel balancer, flange disk and lock-thread all undertaken supersonic quench and milling. Strong, durable and beautiful.
10. The display is divided with the weight tray so that cannot be damaged when operate the machine to make the long time for using the membrane.
11. The protective cover is standard configuration and can open or close the function of the cover.
12. The customer can setup the minimum weight to display according to their requirement.
13. With humanistic four intelligent store modes, can store the specification and balancing mode according to the user's requirement, which make sure the user to select the data directly while balancing the tire with high efficiency.
14. Automatic measuring scale can extend so that ensure to measure 10"-30" tire without any other accessory.
15. Equipped with pedal break, which ensure the precise of sticking the weight.
16. Measure the tire width automatically
17. Automatically position the unbalance point, it can stop at the unbalance point after moving testing.



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::: TRUCK WHEEL BALANCER :::

:: Model :- W70B ::



::: TECHNICAL DETAILS :::

Rim diameter	10"-24"
Max. wheel weight	200kg
Max. wheel diameter	1200mm
Rim width	1.5"-20"
Resolution	100/200rpm
Working pressure	5-8bar
Motor power	220v, 1ph
Weight	322kg
Packing size	1300x990x1130mm



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**:: MAIN FUNCTIONS & FEATURES ::**

1. Semi-automatic wheel balancer with the software which was research designed by ourselves
2. This machine has the balance modes including of dynamic, static, kinds of ALU mode and motorcycle mode.
3. Permit customer themselves define and edit the balance operation setup according to their requirements. With the car/truck conversion function key guaranteeing the precision to be  $\pm 10g$ , when handling truck tire and  $\pm 1g$  when handling car tire.
4. Super big LED display and customer can have a good view when operate the machine.
5. Equipped with inch to millimetre and gram to ounce conversion function.
6. Standard 40mm thread shaft can be used as the universal accessory for the domestic and overseas standard wheel balancer, flange disk and lock-thread all undertaken supersonic quench and milling. Strong, durable and beautiful.
7. The display is divided with the weight tray so that cannot be damaged when operate the machine to make the long time for using the membrane.
8. The customer can setup the minimum weight to display according to their requirement.
9. With the pedal brake making the positioning of the weight precisely.
10. With the lifter save the time and labour when mount the wheel.
11. With the car and truck switch key to choose the pattern function.



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::: CAR & TRUCK WHEEL BALANCER :::

:: Model :- XTB 1299 ::



**::: TECHNICAL DETAILS :::**

Rim diameter	10"-28" / 12"-30"
Max. wheel weight	115kg
Max. wheel diameter	1200mm
Rim width	3"-20"
Resolution	180rpm
Working pressure	8-10bar
Balancing precision	$\pm 1g$ for Car / $\pm 10g$ for Truck
Motor power	220v, 1ph
Net Weight	208kg
Packing size	1280x980x1180mm



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**:: MAIN FUNCTIONS & FEATURES ::**

- For different types of tires, both large size and small size.
- Powerful spindle and imported bearings ensure measuring accuracy
- Static, AL1, AL2, AL3 balancing modes
- Perfect wheel hood with the function of starting and braking automatically
- Changeable between gram and ounce; Changeable between millimeter and inch.
- Equipped with installment head which can stick clips easily and accurately
- Smaller cabinet and smaller package save much space.
- Equipped with Wheel Lift which can lift large size tire easily

**OPTIONAL ACCESSORIES**



**STANDARD ACCESSORIES**





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::: 3D WHEEL ALIGNER :::



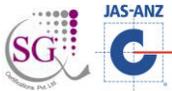
**:: TECHNICAL DETAILS ::**

Item	Measurement Accuracy	Measurement Range
Front total Toe-in	$\pm 0.02^{\circ}$	$\pm 20^{\circ}$
Camber	$\pm 0.01^{\circ}$	$\pm 20^{\circ}$
Castor	$\pm 0.02^{\circ}$	$\pm 20^{\circ}$
SAI/KPI	$\pm 0.02^{\circ}$	$\pm 20^{\circ}$
Setback	$\pm 0.02^{\circ}$	$\pm 5^{\circ}$
Tread	$\pm 2\text{mm}$	----
Wheel base	$\pm 2\text{mm}$	----

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

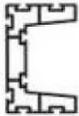
**:: REQUIREMENTS OF SURROUNDING ::**

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



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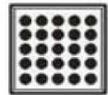
**:: MAIN FUNCTIONS & FEATURES ::**



Reinforced lateral beam



5.0M pixel Japan imported cameras



Waterproof target disks



1.2 Meter measure height range



Vehicle position auto adjustment



Push vehicle compensation



Super-large vehicle database



Install-and-work! DO NOT need calibration.



Height adjustable column

3D wheel aligner is stable, accurate, low cost and easy-to-maintain 2 camera wheel alignment system. Specially design for clients who needs to expand their business with high performance equipment requirement. This product has outstanding and unique feature and the most advanced technology to ensure the growth of your company fame.

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



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<p><b>Professional</b></p> <ul style="list-style-type: none"> <li>• Dual camera system (Imported from Japan)</li> <li>• Dual-core CPU computer system</li> <li>• Waterproof target disks*</li> <li>• 24 inch clamps</li> <li>• Calibration free*</li> <li>• Up to 120cm lifting range</li> <li>• Auto lift platform compensation</li> <li>• Auto vehicle compensation</li> <li>• Super-large vehicle database</li> </ul>	<p><b>Stable</b></p> <ul style="list-style-type: none"> <li>• Reinforce structure of lateral beam to ensure accuracy in different temperature</li> </ul> <p><b>Durable</b></p> <ul style="list-style-type: none"> <li>• Waterproof target disks</li> <li>• Long life high-speed camera system</li> </ul> <p><b>Affordable</b></p> <ul style="list-style-type: none"> <li>• Camera interchangeable</li> <li>• Free vehicle database update twice a year</li> </ul>
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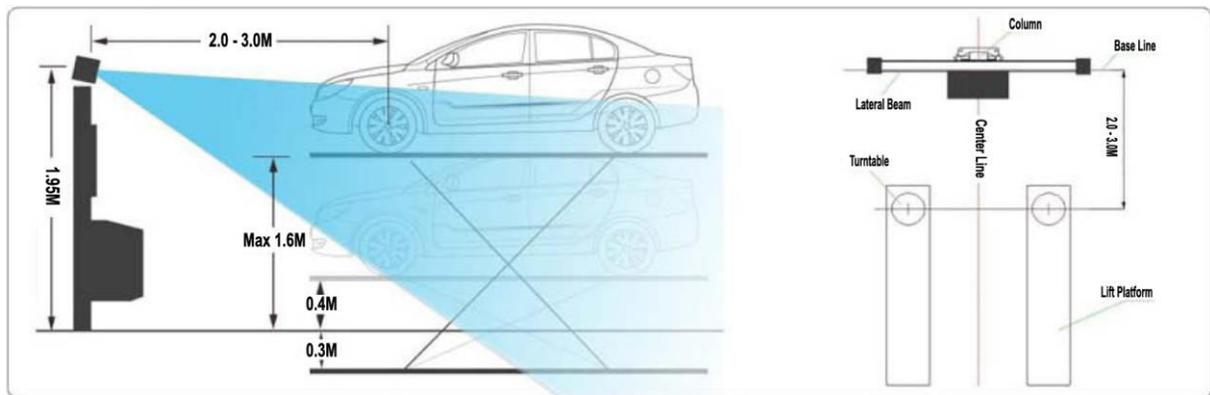
**\* Waterproof target disks**

The target disks are well sealed to avoid possible damage from liquid like water or oil.

**\* Calibration free**

Calibration of the 3D wheel alignment system was done in the factory, doesn't need on-site calibration on installation. This outstanding feature saves a lot of work and make installation of the equipment super easy.

**:: INSTALLATION ::**



**:: STANDARD ACCESSORIES ::**



Big size turntable



Steering wheel holder



Brake pedal depressor



24-inch wheel clamps



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∴ CCD WHEEL ALIGNER ∴  
∴ Model :- WA 350 ∴



∴ TECHNICAL DETAILS ∴

Item	Measurement Precision	Measurement Range
Total toe	$\pm 4'$ ( $\pm 0.02^{\circ}$ )	$\pm 10^{\circ}$
Individual toe	$\pm 2'$ ( $\pm 0.01^{\circ}$ )	$\pm 5^{\circ}$
Camber	$\pm 2'$ ( $\pm 0.01^{\circ}$ )	$\pm 15^{\circ}$
Castor	$\pm 6'$ ( $\pm 0.1^{\circ}$ )	$\pm 20^{\circ}$
SAI / KPI	$\pm 6'$ ( $\pm 0.1^{\circ}$ )	$\pm 20^{\circ}$
Setback	$\pm 2'$ ( $\pm 0.03^{\circ}$ )	$\pm 6^{\circ}$
Thrust angle	$\pm 2'$ ( $\pm 0.03^{\circ}$ )	$\pm 6^{\circ}$
Electrical power	220v, 1ph	
Cabinet color	Red / Blue	
Weight	200kg	
Packing size	1. 1000x750x1400mm 2. 825x600x1100mm	



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**:: MAIN FUNCTIONS & FEATURES ::**

1. Three kind of measurement mode can be selected.
2. Complete test : The Wheel Aligner can be used to measure the most wheel alignment parameters, such as front wheel toe-in, front wheel camber, caster, Kingpin inclination, rear wheel toe-in, rear wheel camber, thrust angle, wheelbase difference, tread difference, axle offset, front wheel setback and rear wheel setback, etc.
3. Complete databank : wheel alignment data of over 20,000 vehicle models is stored in the system. User can also add new data to the databank.
4. Adopts the charge coupled device (CCD) with high resolution, infrared 8-beam and full loop measurement, accurate and stable, wireless communication mode
5. Based on the thrust line to realize the real alignment measurement.
6. Front alignment test function : user can select the alignment mode flexibly. Only two probe rods are mounted can the emergency alignment measurement for the front wheels be performed.
7. The sensor heads are individually interchangeable. After changing one of the sensor heads, the other three needs not to recalibrate, which makes the after-sales service more convenient.
8. Fully intellect. The system can automatically recognize the vehicle with super-low chassis to perform the alignment test for this kind of vehicle and the vehicle with enclosed housing. Aiming to the vehicle model, the system can automatically turn on the corresponding functions of height measurement and counterweight, etc.
9. The demonstration version can run all test flow, which makes user's training more convenient and quick.
10. The units of the alignment parameters can be represented with Degree/Minute, percentage degree, mm and Inch.



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**::: COMPUTERIZED WHEEL ALIGNER :::**

**:: Model :- WA 300 ::**



**::: TECHNICAL DETAILS :::**

Item	Measurement Accuracy	Measurement Range
Total toe	$\pm 10^0$	$\pm 10^0$
Individual toe	$\pm 5^0$	$\pm 5^0$
Camber	$\pm 8^0$	$\pm 8^0$
Castor	$\pm 10^0$	$\pm 10^0$
Driving axis angle	$\pm 5^0$	$\pm 5^0$
Setback	$\pm 5^0$	$\pm 5^0$
Kingpin inclination	$\pm 10^0$	$\pm 10^0$
Full wheel lock	$\pm 10^0$	$\pm 60^0$
Castor angle adjustment range	$\pm 10^0$	
Electrical power	220v, 1ph	
Cabinet color	Red / Blue	



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::: TRUCK WHEEL ALIGNER :::

:: Model :- S504TWS ::



:: TECHNICAL DETAILS ::

Item	Precision Accuracy	Measuring Range	Total Measuring Range
Total Toe	$\pm 3'$	$\pm 2^0$	$\pm 5^0$
Partial Toe	$\pm 1'3''$	$\pm 1^0$	$\pm 2^030'$
Set-back	$\pm 3'$	$\pm 2^0$	$\pm 5^0$
Camber	$\pm 5'$	$\pm 3^0$	$\pm 10^0$
Caster	$\pm 7'$	$\pm 10^0$	$\pm 18^0$
King-Pin	$\pm 7'$	$\pm 10^0$	$\pm 18^0$
Thrust-angle	$\pm 3'$	$\pm 2^0$	$\pm 3^0$