FULL PRODUCT CATALOG

- WHEEL BALANCERS
- WHEEL ALIGNMENT
- TIRE CHANGERS
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1-678-717-1050
www.cemb-usa.com
CEMB is located in Mandello del Lario, not far from Milan’s main airports. The company’s management offices as well as the technical, commercial and administrative departments are all located here. This also includes show rooms, meeting and training rooms.

In 1946 Luigi Buzzi designed the first balancing machine with a revolutionary solution, covered by patent. From 1946 to 1949 he built up the production of mechanical resonance type balancing machines followed by stroboscopic types particularly distinguished for their sensitivity and robust manufacture.

Today CEMB is led by Luigi’s son Carlo. Carlo continues to lead the company forward with continuous research and technical innovation, which means CEMB will continue to be a leader in both wheel service equipment and the industrial fields of balancing.

Ever since its establishment in 1946 thanks to the initiative of Luigi Buzzi, CEMB has exhibited the signs and characteristics which have enabled it to achieve a principal role in the manufacturing and production of balancing machines. CEMB is also the only company in the world manufacturing balancing equipment for three different divisions.

CEMB USA's full range of products comes to you fully assembled, including standard, performance, and diagnostic levels. All machines come in a shop neutral color (steel gray) that will match well with existing shop equipment.

We finalize assembly, calibrate, and test all of our machines before they leave our warehouse so that they are ready to use as soon as they get to your facility. Once in your facility we have a complete sales force of representatives and service centers throughout all of the US to help support our wheel service equipment, along with one of the best warranties in the industry. Don’t be shy! Give us a call today to find out how we can help (678) 717-1050.

CEMB is an Engineering company – we are the Innovators – we will continue to develop new & exclusive features and products which others will copy in time as demand grows – we are ahead of the market curve, not reacting to it!
CEMB offers innovative, patented solutions and the widest range of garage equipment in the world. High performance, superior accuracy, reliability and operational simplicity are the features which distinguish the CEMB line of garage professional machines. Since 1952 CEMB has offered the most diverse and complete range of balancing machines available on the market, in addition to wheel alignment and tire changers for cars, trucks, buses and motorcycles.

CEMB offers a level of technical support to our clients before, during, and after the sale that is perhaps unrivalled in the Wheel Service industry. From local assistance by our network of local Sales Representatives with model selection, local product demonstrations, as well as on-site, complimentary operational training on our equipment, to service & technical support after the sale, including offering a live Tech Support Hotline. Those who choose CEMB are assured of top-tier, professional support for lifetime.

CEMB also designs and manufactures a wide range of industrial balancing machines. Vertical balancers with balancing on one or two correction planes, for rotors weighing a few ounces up to 5.5 lbs. Horizontal balancers with joint drive or belt drive for rotors from 0.4 ounces to 220,500 lbs. The mechanical structure and electronic control modules are designed to work under the most severe operating conditions and they are also suitable for large batch production.

CEMB offers innovative, patented solutions and the widest range of garage equipment in the world. High performance, superior accuracy, reliability and operational simplicity are the features which distinguish the CEMB line of garage professional machines. Since 1952 CEMB has offered the most diverse and complete range of balancing machines available on the market, in addition to wheel alignment and tire changers for cars, trucks, buses and motorcycles.

CEMB offers Technical Training services to our Clients in either our own facilities, or on-site, as needed, in all aspects of balancing theory, vibration analysis, and Equipment Maintenance and Support.
The new ER90 EVO automatically detects wheel data by pressing one button. After a few seconds, the machine gives a clear and accurate indication of the exact position to place counterweights (clip-on and/or stick-on weights).

Comes with CEMB’s innovative AutoAdaptive Mode software which acquires the wheel’s weight and dimensions and recalculates the tolerance value so as to cancel any vibration perceived on the steering wheel, ensuring the greatest possible driving comfort and, together with CEMB’s OPB (One Plane Balancing) program, 3D Laser Scan and HubMatch, which clocks the RFV highpoint of the assembly to the vehicle hub before mounting it at the 12 o’clock position, guarantees significant time savings during the balancing process. Also includes TDC Laser (Top Dead Center) for steel rims.

- Average 6-second cycle time includes automatic RFV* and wheel scanning performed during the balance cycle.
- Dynamic AutoAdaptive OPB balancing automatically shifts to a single weight balance on over 70% of today’s wheels; gaining a 33%-time savings on every balance.
- Made in Italy. Final assembly in USA.
- 220V, 1ph. +AIR
- Radial Force Vectoring
**TD TIRE DEALER SERIES**

**WHEEL BALancers**

**CEMB**

**2-hit**

**WHAT IF EVERYTHING WERE THIS EASY?**

- **LASER SPOTTER** - Unique tool that allows selecting the correction planes with maximum accuracy and then precisely indicates the exact point of application of the weights
- **LASER MATCHING** - Laser line emitter which, together with the laser spotter, allows calculating the diameter of the rim
- **OPB ONE PLANE BALANCING** - Correction of both static and dynamic unbalance on one plane at once and with only one weight
- **AUTOADAPTIVE MODE** - The new tolerance calculation system
- **LA SONAR** for automatic measurement of the wheel width
- **ALU-S BALANCING MODE** - Adhesive weights on the internal rim planes with specific counterweight position indicator
- **LED LIGHT** to illuminate the working space inside the rim
- **EMS SONAR (OPTION)** - 1st Harmonic and Peak to Peak Automatic and quick eccentricity measurement during the normal balancing cycle
- **HUBMATCH** - During the measuring cycle, the wheel’s “maximum eccentricity point” is detected and displayed on the monitor, therefore allowing for its reduction during the re-mounting of the wheel on the vehicle (only with EMS Sonar)
- **TIRE SET** - The software indicates the best wheel positioning on the vehicle to get the best ride (conicity) and to minimize wheel vibrations (eccentricity) (option available only with EMS sonar)
- **PNEUMATIC WHEEL LOCKING**
  - Floor-to-floor time reduction / Extremely easy and fast to use
  - Very accurate wheel centering
- **AUTOMATIC POSITIONING AND LOCKING** of the wheel in weight position

**TD TIRE DEALER SERIES**

**WHEEL BALancers**

**ER75TD**

**HubMatch**

A high volume RFV* diagnostic wheel balancer that uniquely uses advanced balancing features such as our Dynamic Autodaptive with OPB balancing and RFV* measurement combined with HubMatch®, a guided on car eccentricity cancellation process which significantly reduces floor-to-floor cycle time and provides an improved ride quality to eliminate the most difficult tire and wheel related vibration problems. All the best features from CEMB balancers; focused on performance, ease of use, efficiency and time savings.

Pneumatic locking.

*Radial Force Vectoring
  - Fast 5-second cycle time.
  - Autodaptive, Dynamic OPB balancing software.
  - CEMB balancing software on a touchscreen automatically resolves residual static unbalance commonly left behind when dynamically balancing with traditional balancers causing hidden vibration complaints.
  - An automatic laser spotter highlights the exact tape-on weight locations.
  - Automatic LED lighting at the inside of the wheel greatly increases visibility.
  - Automatic 3D direct weight placement (distance, diameter and width measurements) are included standard. No manual key pad entry required to balance wheels.
  - Electro-magnetic brake holds the wheel for more accurate weight placement.
  - Automatic Approach system allows for faster floor to floor time.
  - Made in Italy, Final assembly in USA.
  - Power Supply: 220V, 1ph.

**STANDARD ACCESSORIES PG. 42**
ER73TD HubMatch

A high volume RFV® diagnostic wheel balancer that uniquely uses advanced balancing features such as our Dynamic AutoAdaptive with OPB balancing and RFV® measurement combined with HubMatch®, a guided on-car eccentricity cancellation process which significantly reduces floor-to-floor cycle time and provides an improved ride quality to eliminate the most difficult tire and wheel related vibration problems. All the best features from CEMB balancers; focused on performance, ease of use, efficiency and time savings. Standard locking.

*Radial Force Vectoring
• Fast 5-second cycle time. Quick clamping wing nut supplied standard.
• AutoAdaptive, Dynamic OPB balancing software.
• CEMB balancing software on a touchscreen automatically resolves residual static unbalance commonly left behind when dynamically balancing with traditional balancers causing hidden vibration complaints.
• An automatic laser spotter highlights the exact tape-on weight locations.
• Automatic LED lighting at the inside of the wheel greatly increases visibility.
• Automatic 3D direct weight placement (distance, diameter and width measurements) are included standard. No manual key pad entry required to balance wheels.
• Electro-magnetic brake holds the wheel for more accurate weight placement.
• Automatic Approach system allows for faster floor to floor time.
• Made in Italy. Final assembly in USA.
• Power Supply: 220V, 1ph. + Air

TD TIRE DEALER SERIES WHEEL BALANCERS

ER72SE

A high volume, heavy-duty LED wheel balancer with all the best features from CEMB; focused on performance, ease of use, efficiency and time savings. The unique ergonomic wheel offset improves access to the inside of commonly balanced wheels requiring tape-on weights. Pneumatic locking.

• Fast 5-second cycle time. Pneumatic locking kit supplied standard.
• Dynamic AutoAdaptive OPB balancing software.
• CEMB balancing software automatically resolves residual static unbalance commonly left behind when dynamically balancing with traditional balancers causing hidden vibration complaints.
• An automatic laser spotter highlights the exact tape-on weight locations.
• Automatic LED lighting at the inside of the wheel greatly increases visibility.
• Automatic 3D direct weight placement (distance, diameter and width measurements) are included standard. No manual key pad entry required to balance wheels.
• Electro-magnetic brake holds the wheel for more accurate weight placement.
• Automatic Approach system allows for faster floor to floor time.
• Made in Italy. Final assembly in USA.
• Power Supply: 220V, 1ph. + Air

TD TIRE DEALER SERIES WHEEL BALANCERS
TD TIRE DEALER SERIES
WHEEL BALANCERS

ER72TD
A high volume, heavy-duty LED wheel balancer with all the best features from CEMB; focused on performance, ease of use, efficiency and time savings. The unique ergonomic wheel offset improves access to the inside of commonly balanced wheels requiring tape-on weights. Standard locking.

- Fast 5-second cycle time. Quick clamping wing nut supplied standard.
- Dynamic AutoAdaptive OPB balancing software.
- CEMB balancing software automatically resolves residual static unbalance commonly left behind when dynamically balancing with traditional balancers causing hidden vibration complaints.
- An automatic laser spotter highlights the exact tape-on weight locations.
- Automatic LED lighting at the inside of the wheel greatly increases visibility.
- Automatic 3D direct weight placement (distance, diameter and width measurements) are included standard. No manual key pad entry required to balance wheels.
- Electro-magnetic brake holds the wheel for more accurate weight placement.
- Automatic Approach system allows for faster floor to floor time.
- Made in Italy. Final assembly in USA.
- Power Supply: 220V, 1ph

PERFORMANCE SERIES
WHEEL BALANCERS

ER71
A performance motorized wheel balancer with high-end performance and time saving, advanced features. Extremely accurate with simple to use interface and a multi-function LED display.

- Fast 5-second cycle time. Quick clamping wing nut supplied standard.
- Automatic LED lighting greatly increases visibility for weight application.
- Laser line BDC (bottom dead center) tape weight placement provides simple and accurate tape-on weight placement.
- With our innovative Virtual Sonar software we can automatically calculate the rim width without an external sonar or other measuring device.
- Electro-magnetic braking easily holds the wheel to aid in placement of correction weights.
- Automatic Approach system allows for faster floor to floor time.
- Quickly balance wheels in ounces or grams; in static or dynamic modes, up to 30” rim diameter and 165 lb. wheel capacity.
- Made in Italy. Final assembly in USA.
- Power Supply: 110V, 1ph
**EZ10**

A performance 3D balancer with high-end balancing capabilities. This compact wheel balancer comes with advanced innovative features such as, Virtual 3D wheel measurement with Virtual Sonar, AutoAdaptive and an electromagnetic brake.

- Fast 5-second cycle time. Quick clamping wing nut supplied standard.
- Automatic gauge to measure the distance and diameter of rims of up to 28” with an innovative clip to hold the adhesive weight.
- AutoAdaptive Mode - The new tolerance calculation system.
- Space Saving balancer with a 12” full resolution touch screen. It's intuitive, durable and easy to use.
- With our innovative Virtual Sonar software we can automatically calculate the rim width without an external sonar or other measuring device.
- Electromagnetic brake for locking the wheel in the exact weight position.
- Automatic Approach system allows for faster floor to floor time.
- Made in Italy. Final assembly in USA.
- Power Supply: 110V, 1ph.

**EZ15**

A performance 3D balancer with a touchscreen and high end balancing capabilities; with accuracy and repeatability. This compact wheel balancer comes with advanced innovative features such as, Virtual 3D wheel measurement with Virtual Sonar, AutoAdaptive and an electromagnetic brake.

- Fast 5-second cycle time. Quick clamping wing nut supplied standard.
- Automatic gauge to measure the distance and diameter of rims of up to 28” with an innovative clip to hold the adhesive weight.
- AutoAdaptive Mode - The new tolerance calculation system.
- Space Saving balancer with a 12” full resolution touch screen. It’s intuitive, durable and easy to use.
- With our innovative Virtual Sonar software we can automatically calculate the rim width without an external sonar or other measuring device.
- Electromagnetic brake for locking the wheel in the exact weight position.
- Automatic Approach system allows for faster floor to floor time.
- Made in Italy. Final assembly in USA.
- Power Supply: 110V, 1ph.

**C202SE**

A auto clamping truck wheel balancer with added RFV® measurement. Wheel balancing and RFV® are critical together to solve truck tire wear and ride quality. The wheel must be balanced and round when it’s rolling on the vehicle to ensure best tire wear and ride quality. Extremely accurate with a simple to use interface, and an excellent choice for tire dealers, fleet repair shops, and municipalities that handle a wide array of commercial vehicles.

*Radial Force Vectoring*

- Exclusive industrial design pneumatic wheel-clamping system with a 65mm shaft.
- Built-in wheel lift aids in centering and prevents back strain with heavy wheels.
- Average cycle time 10-22 seconds.
- Automatic 2D inner data arm provides direct weight placement measurement.
- Pneumatic brake for wheel weight positioning.
- Full time static unbalance readings.
- Weight minimization Optimization and Split Weight program.
- Steel and alloy wheel capable with choice of clip-on, tape weight modes up to 30” rim diameter, 20” width, 51” tire diameter and 550 lbs. weight capacity.
- Requires compressed air and 220V, 3 ph.
- Made in Italy. Final assembly in USA.

**C218**

A performance 3D balancer with high-end balancing capabilities. This compact wheel balancer comes with advanced innovative features such as, Virtual 3D wheel measurement with Virtual Sonar, AutoAdaptive and an electromagnetic brake.

- Fast 5-second cycle time. Quick clamping wing nut supplied standard.
- Automatic gauge to measure the distance and diameter of rims of up to 28” with an innovative clip to hold the adhesive weight.
- AutoAdaptive Mode - The new tolerance calculation system.
- With our innovative Virtual Sonar software we can automatically calculate the rim width without an external sonar or other measuring device.
- Electromagnetic brake for locking the wheel in the exact weight position.
- Automatic Approach system allows for faster floor to floor time.
- Made in Italy. Final assembly in USA.
- Power Supply: 110V, 1ph.
C212

A multi-function HD truck wheel balancer with LED display and built-in wheel lift. Easily balances all light duty, medium duty, commercial and heavy-duty truck wheel applications. Extremely accurate with a simple to use interface. An excellent choice for tire dealers, fleet repair shops, municipalities handling a wide array of commercial vehicles.

- Built in wheel lift aids in centering and prevents back strain with heavy wheels.
- Two speed motor drive for cars, light trucks and heavy duty commercial applications.
- Average cycle time 10-20 seconds.
- Automatic 2D inner data arm provides direct weight placement measurement.
- Pneumatic brake for wheel weight positioning.
- Full time static unbalance readings and dynamic modes selectable.
- Steel and alloy wheel capable with choice of clip-on, tape weight modes up to 30” rim diameter, 20” width and 550 lbs. weight capacity.
- Requires compressed air and 220V, 1 ph.
- Made in Italy. Final assembly in USA.

C206

A portable, space saving HD truck wheel balancer with high-end balancing capabilities; built into a high quality, robust and proven reliable design. Extremely accurate with a simple to use interface. An excellent choice for fleet repair and best choice for HD truck balancing portability and over-the-road mobile tire service use.

- Low effort gear reduction hand-spin capability with 10-20 second cycle time.
- Simple design built-in wheel lift doubles as a brake.
- Automatic 2D inner data entry direct weight placement.
- Simple to use multi-function display with static and dynamic modes and ounce and gram displays.
- Weight minimization software and split weight functions included.
- Handles steel and alloy with choice of clip-on, tape weight modes up to 30” rim diameter, 20” width and 550 lbs. weight capacity.
- Dual voltage power supply. 12v lithium quick charge battery with a charger. 110V.
- Made in Italy. Final assembly in USA.

K22

Exclusive design saves time and provides a superior balance by eliminating the removal of wheel bearings and ensuring the wheel is centered on the motorcycle. This saves time in set up by not removing the bearings from the wheels, eliminates setup parts on the balancer and provides a more accurate balance. Handles multiple applications including scooters, single swing arm wheels and super-wide Harley wheels.

- Non-rotating balancer shaft spins the wheel on its own bearings. No bulky tire clamps required.
- Drive roller spins the wheel and also allows operator to check eccentricity while balancing.
- 2D Distance and Diameter Automatic Data Entry
- Static/Dynamic Modes
- 110v, 50/60 Hz
- Made in Italy. Final assembly in the USA.

Motorcycle Wheel Balancers

K22

Exclusive design saves time and provides a superior balance by eliminating the removal of wheel bearings and ensuring the wheel is centered on the motorcycle. This saves time in set up by not removing the bearings from the wheels, eliminates setup parts on the balancer and provides a more accurate balance. Handles multiple applications including scooters, single swing arm wheels and super-wide Harley wheels.

- Non-rotating balancer shaft spins the wheel on its own bearings. No bulky tire clamps required.
- Drive roller spins the wheel and also allows operator to check eccentricity while balancing.
- 2D Distance and Diameter Automatic Data Entry
- Static/Dynamic Modes
- 110v, 50/60 Hz
- Made in Italy. Final assembly in the USA.
## COMPARISON
### WHEEL BALancers

<table>
<thead>
<tr>
<th>PERFORMANCE SERIES</th>
<th>TD SERIES</th>
<th>DIAGNOSTIC SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PORTABLE, HAND SPIN DRIVE SYSTEM</td>
<td>EZ10</td>
<td>ER25TD</td>
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<tr>
<td>MOTORIZED DRIVE SYSTEM</td>
<td>X</td>
<td>X</td>
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<tr>
<td>LED KEY PAD, MULTI-FUNCTION INTERFACE</td>
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<td>X</td>
</tr>
<tr>
<td>GUI VIDEO TOUCH SCREEN</td>
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<td>X</td>
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<tr>
<td>ERGONOMICALLY INCREASED SPINDLE OFFSET</td>
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<td>DIRECT MEASURE DATA ARM INPUT FOR WEIGHT LOC</td>
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<td>X</td>
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<tr>
<td>RIM WIDTH DETECTION</td>
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<td>WEIGHT PLACEMENT STATIONARY BRAKING</td>
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<td>INSIDE THE WHEEL LED LIGHTING</td>
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<td>RDC TAPE-ON WEIGHT LASER LINE LOCATOR</td>
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<td>D</td>
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<tr>
<td>DYNAMIC AUTOADAPTIVE / GPB</td>
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<td>AUTOMATIC MINIMIZATION OF RESIDUAL STATIC WEIGHT</td>
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<tr>
<td>SPLIT/HIDDEN SPOKE BALANCING MODE</td>
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<td>UNBALANCE OPTIMIZATION BALANCING MODE</td>
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<td>RESIDUAL UNBALANCE STATIC DISPLAY</td>
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<td>HUBMATCH® AND RFV ECCENTRICITY MEASUREMENT</td>
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<tr>
<td>RIM RUNOUT MEASUREMENT (EXTERNAL &amp; BARE)</td>
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<td>TIRE TREAD DEPTH &amp; GEOMETRIC CONICITY</td>
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<td>MULTI-USER &amp; VEHICLE PLACEMENT CAPABILITY</td>
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<td>PRINTER</td>
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<td>MAXIMUM RIM DIAMETER X WIDTH (in.)</td>
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<tr>
<td>MAXIMUM TIRE DIAMETER (in.)</td>
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<td>WHEEL CLAMPING TYPE</td>
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<tr>
<td>POWER SUPPLY (v)</td>
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## LEGEND

- Standard Measurement: x
- Distance/Diameter: 2D
- 2D+ Width: 3D
- Virtual 3D: V3D
- Laser measurement: 3DL
- Manual: M
- Electrical: E
- Optional: OPT
- Manual Clamping: M
- Quick Clamping: QC
- Auto Clamping: AC
- Laser Line: L
- Laser Dot: D
- Laser Dot Contour Scan: DC

### HD TRUCK & BUS WHEEL BALancers

<table>
<thead>
<tr>
<th>PERFORMANCE SERIES</th>
<th>TD SERIES</th>
<th>DIAGNOSTIC SERIES</th>
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</thead>
<tbody>
<tr>
<td>PORTABLE, HAND SPIN WITH BATTERY PACK 12V-110V</td>
<td>C206</td>
<td>C212</td>
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<tr>
<td>MOTORIZED DRIVE SYSTEM</td>
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<td>X</td>
</tr>
<tr>
<td>LED KEY PAD, MULTI-FUNCTION INTERFACE</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>DIRECT MEASURE DATA ARM INPUT FOR WEIGHT LOC</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>STATIONARY BRAKING WEIGHT PLACEMENT</td>
<td>P</td>
<td>P</td>
</tr>
<tr>
<td>SPLIT WEIGHT BALANCING MODE</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>DEDICATED STATIC DISPLAY &amp; WEIGHT IMBALANCE</td>
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<td>RFV WHEEL ECCENTRICITY MEASUREMENT</td>
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<td>WHEEL LIFT</td>
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<tr>
<td>MAXIMUM RIM DIAMETER x WIDTH (in.)</td>
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<tr>
<td>MAXIMUM TIRE DIAMETER (in.)</td>
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<tr>
<td>MAXIMUM WHEEL WEIGHT (lbs.)</td>
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<td>WHEEL CLAMPING TYPE</td>
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<td>WHEEL MOUNTING SHAFT DIAMETER (mm)</td>
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<tr>
<td>POWER SUPPLY (v)</td>
<td>12/110 + AIR</td>
<td>220 + AIR</td>
</tr>
</tbody>
</table>
WHEEL ALIGNERS
The new 3D-HD wheel alignment system for cars and light weight trucks, comes with a completely redesigned cabinet with drawers and compartments for housing the printer, tools and accessories. It also comes with our new easy to use, but advanced software.

- Repair focused efficient CEMB alignment software offers multi-language capability and customized configuration choices installed on Windows® based PC platform.
- Tower Automatically Follows the Targets as the Vehicle is Raised to Different Heights
- LCD monitor, printer, cabinet and wheel clamp storage.
- Wheel clamps quickly attach to rims without marring surfaces. Wheel clamp extensions are included to attach to offset front dually wheels and also custom rims up to 30” diameter.
- Optional VIN barcode scanner specification entry.
- Made in Italy. Final assembly in USA.

Robust wireless eight camera CCD sensors and lightweight wheel clamps with tire grabbers make up this heavy-duty truck and bus eight camera CCD wheel alignment system. Designed with state-of-art electronics and efficient software. The operator can quickly configure the alignment process to align heavy-duty trucks from a single steer axle to seven combined steer and drive axles.

- Wireless sensor communication uses a robust USB Bluetooth2 interface powered by long lasting rechargeable Lithium Ion rechargeable batteries.
- Multi-axle set up customization.
- Operator selected compensation modes offer rolling compensation, raised axes compensation or by-pass.
- Tire clamps quickly attach to wheels up to 50” diameter.
- 30+ year vehicle database includes heavy-duty truck alignment specifications and alignment spec customization capability.
- CEMB alignment software offers multi-language capability and customized configuration choices.
- Made in Italy. Final assembly in USA.

A perfect entry level package for portability or for shops starting out with low volume alignment service who wish to avoid the investment cost of an alignment rack. Portable wheel stands allow use on a two-post frame contact lift in virtually any work bay. Optimal for small repair shops or even frame benches in heavy-hit collision shops. Also works well as a back up alignment system to handle over-flow alignment service all across the shop.

- CCD Wireless Sensor Wheel Aligner (DWA1000XL) with Wheel Stand Kit (Includes: Stands, Roller, & Plates).
- Portable wheel stands with integral turn plates on all four stands align all vehicles including independent four-wheel suspensions and long wheel base light trucks.
- Easy to learn, Easy to use software with advanced features & complete specs.
- Made in Italy. Final assembly in USA. See DWA1000XL for more details on aligner.
Maximize labor profits when repairing and calibrating ADAS Systems. The DWA1000ADAS represents the perfect package between mobile wheel alignment capability and ADAS calibration set up efficiency. After the alignment, the same CCD front axle sensors are placed on the ADAS support panel calibration bar by means of universal adaptors; leaving the rear axle sensors in their standard rear axle mounted location. With a single key-press, the technician is able to quickly and simply position the ADAS panel in respect to the vehicle thrust angle in both perpendicular and centering adjustment preparation.

ADAS CCD Kit includes:
- Two Universal Adaptors for the ADAS Support Panel Calibration Bar
- Software Update and Activation USB Key.

**STANDARD ACCESSORIES PG. 35**

Additional adjustments to ADAS calibration panels and processes are required. Always consult the vehicle manufacturer for specific repair information.

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**PERFORMANCE SERIES WHEEL ALIGNMENT**

**DWA1000ADAS**

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**PERFORMANCE SERIES COMPARISON**

**WHEEL ALIGNMENT**

<table>
<thead>
<tr>
<th>ACCESSORIES</th>
<th>CODE</th>
<th>DWA1100CWAS</th>
<th>DWA1000XL</th>
<th>DWA1000XLT</th>
<th>DWA3500</th>
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<tbody>
<tr>
<td>STEERING WHEEL HOLDER</td>
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<td>X</td>
<td>X</td>
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</table>

**LEGEND**

Standard: X  
Optional: OPT  
Not Available: -
The touchless ARGOS InstaVision™ Wheel Alignment System instantly measures all four wheels in 5 seconds; eliminating all the drawbacks of operator set up and no need to get out of the vehicle. The ARGOS is available as a 4-Wheel Alignment System and also in a dedicated Pass/Fail Alignment Check System for instant verification of alignment.

ARGOS Full Version uses a patented* structured light 3D scanner system to project invisible laser patterns onto all 4 wheels. Each wheel is measured with pin-point accuracy in space to determine camber and toe values with a level of accuracy and repeatability never before seen.

This alignment machine is touchless and clampless providing ease of use and speed when performing an alignment.

*Patent US9791268B2 (other patents pending)

**GENERAL FEATURES**
- Instantaneous 5-Second Measurements
- No Moving Parts
- No Wheel Clamps
- All Measurements Calculated Without Leaving the Vehicle
- Limited Opportunities for Operator Error
- Automatic Self-Calibration

**FULL VERSION FEATURES**
- No Set Up Required
- No Walking Around the Vehicle
- Tablet Control From Inside the Vehicle Included
- 20+ Year Database and Customization Capability
- VIN Number Barcode Database Entry
- WIFI Lifetime Firmware Updates
- Software and Vehicle Spec Updates
- 24/7 Off-Site Internet Performance Monitoring
ARGOS DriveThru performs an alignment check in a matter of seconds. Within seconds you will have identification of a full alignment, including partial toe and steering wheel centers.

Measurements are taken without the use of clamps, targets, or sensors, eliminating the risk of rim damage. Anomalies such as fuel consumption, tire wear, driving and steering discrepancies are also measured at the same time as the alignment.

Alignment checks can even be performed by the customer. Set up your ARGOS DriveThru in the service bay and as customers pull in, the measurements will automatically be taken.
TIRE CHANGERS
Professional quality automatic locking tilt-column tire changer features HP2 high performance press arm, additional drop center press arm and tire lift helper, highly recommended to easily aid in the servicing of high performance and run flat tires with stiff sidewalls and difficult wheels with deep drop centers. Features dual table clamping cylinders with Space-Saver under table adjustable clamping range.

- Traditional 2 arm set up: Press arm and help arm
- Self-centering plate with 12-26" outside locking capacity
- Tilt-back mount-demount arm automatically rotates and lowers into position. Utilizes pneumatic control and high quality locking system with roller guides.
- Bead loosening system: Adjustable to the correct angle to fit diameter and width improving control accuracy.
- Two stage tire bead sealing inflation jets optimally located and built into clamping jaws.
- The tire inflator includes safety limiter.
- Heavy duty 110V, 1 ph. high torque motor.
- Final assembly and tested in the USA.

Professional grade articulating swing arm tire changer with leverless mount head and high-performance BPS (Bead Press System) is the perfect choice for all OEM automotive and light truck wheels including difficult to mount stiff sidewall run-flat tires, deep drop center rims and multiply commercial and industrial wheel applications. The unique design takes considerably less floor space compared to traditional tilt-back designs and utilizes an extremely rigid column and vertical arm with pneumatic locking and high quality locking roller guides for long lasting, smooth movement.

- Leverless mount head provides simple fingertip activated demounting of high-performance low profile, stiff sidewall run-flat and commercial use multi-ply tires up to 40" diameter and 15" wide.
- The standard Bead Press System provides simple servicing of stiff sidewall tires and deep drop center rims. Dual bead press aids with drop-center tool saves time and offers flexibility in multiple mounting methods.
- Heavy duty, high torque, 2-speed (8-15 rpm) 220V motor.
- Made in Italy. Final assembly in USA.

Professional quality automatic locking tilt-column tire changer features HPA high performance press arm, additional drop center press arm and tire lift helper, highly recommended to easily aid in the servicing of high performance and run flat tires with stiff sidewalls and difficult wheels with deep drop centers. Features dual table clamping cylinders with Space-Saver under table adjustable clamping range.

- Center-post quick lock clamping system safely secures virtually all wheels without damage. Easy access to the rim and tire from the bottom side without obscuring the work area. Reverse wheel-clamping kit included.
- Leverless mount head provides simple fingertip activated demounting of high-performance low profile, stiff sidewall run-flats and commercial use multi-ply tires up to 40" diameter and 12.5" wide.
- A bead roller loosening system combines fingertip operated power using finesse for protective service of difficult, expensive wheels.
- Side shovel adds speed, efficiency and power to every day applications.
- Heavy duty 220V high torque 2-speed (8-15 rpm)
- Made in Italy. Final assembly in USA.

The SM1100 combines the best of multiple tire changer technologies; offering speed and efficiency throughout a wide range of applications. Easily adapts to ultra-low-profile, run-flat tires, special custom rims, every day wheels and even commercial light truck and industrial wheels.

- Center-post quick lock clamping system safely secures virtually all wheels without damage. Easy access to the rim and tire from the bottom side without obscuring the work area.
- Reverse wheel-clamping kit included.
- Leverless mount head provides simple fingertip activated demounting of high-performance low profile, stiff sidewall run-flats and commercial use multi-ply tires up to 40" diameter and 12.5" wide.
- A bead roller loosening system combines fingertip operated power using finesse for protective service of difficult, expensive wheels.
- Side shovel adds speed, efficiency and power to every day applications.
- Heavy duty 220V high torque 2-speed (8-15 rpm)
- Made in Italy. Final assembly in USA.

The SM675 is a professional grade articulating swing arm tire changer with leverless mount head and high-performance BPS (Bead Press System) that is perfectly suited for all OEM automotive and light truck wheels, including those with difficult to mount stiff sidewall run-flat tires, deep drop center rims and multiply commercial and industrial wheel applications. The unique design takes considerably less floor space compared to traditional tilt-back designs and utilizes a rigid column and vertical arm with pneumatic locking and high quality locking roller guides for long-lasting, smooth movement.

- Leverless mount head provides simple fingertips activated demounting of high-performance low profile, stiff sidewall run-flat and commercial use multi-ply tires up to 36" diameter and 15" wide.
- The standard Bead Press System provides simple servicing of stiff sidewall tires and deep drop center rims. Dual bead press aids with drop-center tool saves time and offers flexibility in multiple mounting methods.
- Heavy duty, high torque, 2-speed (8-15 rpm) 220V motor.
- Made in Italy. Final assembly in USA.

The SM645HP is a professional quality automatic locking tilt-column tire changer that is highly recommended to easily aid in the servicing of high performance and run flat tires with stiff sidewalls and difficult wheels with deep drop centers. Features dual table clamping cylinders with Space-Saver under table adjustable clamping range.

- Traditional 2 arm set up: Press arm and help arm
- Self-centering plate with 12-26" outside locking capacity
- Tilt-back mount-demount arm automatically rotates and lowers into position. Utilizes pneumatic control and high quality locking system with roller guides.
- Bead loosening system: Adjustable to the correct angle to fit diameter and width improving control accuracy.
- Two stage tire bead sealing inflation jets optimally located and built into clamping jaws.
- The tire inflator includes safety limiter.
- Heavy duty 110V, 1 ph. high torque motor.
- Final assembly and tested in the USA.

The SM645HPA is a professional quality automatic locking tilt-column tire changer that is highly recommended to easily aid in the servicing of high performance and run flat tires with stiff sidewalls and difficult wheels with deep drop centers. Features dual table clamping cylinders with Space-Saver under table adjustable clamping range.

- Traditional 2 arm set up: Press arm and help arm
- Self-centering plate with 12-26" outside locking capacity
- Tilt-back mount-demount arm automatically rotates and lowers into position. Utilizes pneumatic control and high quality locking system with roller guides.
- Bead loosening system: Adjustable to the correct angle to fit diameter and width improving control accuracy.
- Two stage tire bead sealing inflation jets optimally located and built into clamping jaws.
- The tire inflator includes safety limiter.
- Heavy duty 110V, 1 ph. high torque motor.
- Final assembly and tested in the USA.

The SM1100 is a professional quality automatic locking tilt-column tire changer that is highly recommended to easily aid in the servicing of high performance and run flat tires with stiff sidewalls and difficult wheels with deep drop centers. Features dual table clamping cylinders with Space-Saver under table adjustable clamping range.

- Traditional 2 arm set up: Press arm and help arm
- Self-centering plate with 12-26" outside locking capacity
- Tilt-back mount-demount arm automatically rotates and lowers into position. Utilizes pneumatic control and high quality locking system with roller guides.
- Bead loosening system: Adjustable to the correct angle to fit diameter and width improving control accuracy.
- Two stage tire bead sealing inflation jets optimally located and built into clamping jaws.
- The tire inflator includes safety limiter.
- Heavy duty 110V, 1 ph. high torque motor.
- Final assembly and tested in the USA.

The SM675 is a professional grade articulating swing arm tire changer with leverless mount head and high-performance BPS (Bead Press System) that is perfectly suited for all OEM automotive and light truck wheels, including those with difficult to mount stiff sidewall run-flat tires, deep drop center rims and multiply commercial and industrial wheel applications. The unique design takes considerably less floor space compared to traditional tilt-back designs and utilizes a rigid column and vertical arm with pneumatic locking and high quality locking roller guides for long-lasting, smooth movement.

- Leverless mount head provides simple fingertips activated demounting of high-performance low profile, stiff sidewall run-flat and commercial use multi-ply tires up to 36" diameter and 15" wide.
- The standard Bead Press System provides simple servicing of stiff sidewall tires and deep drop center rims. Dual bead press aids with drop-center tool saves time and offers flexibility in multiple mounting methods.
- Heavy duty, high torque, 2-speed (8-15 rpm) 220V motor.
- Made in Italy. Final assembly in USA.
SM628 BPS

Professional grade swing arm tire changers for OEM and oversized tires and custom wheel applications. Features an optional high-performance Bead Press System (BPS) which is highly recommended to easily aid in the servicing of low-profile, run flat, on/off road tires and commercial light trucks with stiff sidewalls and difficult rims with deep drop centers.

Robust in design and intended for the most difficult, high volume use. All parts are made of the highest quality with a reinforced column and heavy base construction.

- North American design adapted to tall and wide tires handles virtually all wheels up to 44” and 15” in width. Outside clamps rims from 12”-26” and is self-centering with rim diameter indexing guides.
- Standard quick-change mount head kit provides steel and polymer long wearing mounting heads.
- Self-centering clamping jaws with high quality dual air cylinders; uniform clamping pressures and high clamping force reduce the possibilities of rim slippage.
- Add a high-performance BPS (Bead Press System) for simple servicing of stiff side wall tires and deep drop center rims (shown in image).
- Heavy duty, high torque, 2-speed (8-15 rpm) 220V motor easily handles the most difficult sidewall tires and deep drop center rims.
- Made in Italy. Final assembly in USA.

SM825 AIRPA

A traditional swing arm tire changer and great place to start for general service of the majority of OEM fitments and many custom tires and wheels. These durable machines are equipped with basic features, intended for mid-volume use.

- A high-performance press arm system to handle stiff side wall tires and custom wheels.
- Features dual table clamping cylinders with value-added specifications for protection of alloy wheels and outside clamping from 13”-24” wheels.
- Dual stage inflation system with safety limiter and bead sealing inflation jets built into the clamping jaws.
- Custom mount/demount head features replaceable plastic inserts to protect wheels.
- Powerful, multi-angle adjustable bead breaker shovel loosens the most difficult tires and wheels.
- Requires compressed air and 110V. Air powered motor also available.
- Final assembly and tested in the USA.

SM825 EVOPA

A traditional swing arm tire changer and great place to start for general service of the majority of OEM fitments and many custom tires and wheels. These durable machines are equipped with basic features, intended for mid-volume use.

- A high-performance press arm system to handle stiff side wall tires and custom wheels.
- Features dual table clamping cylinders with value-added specifications for protection of alloy wheels and outside clamping from 13”-24” wheels.
- Dual stage inflation system with safety limiter and bead sealing inflation jets built into the clamping jaws.
- Custom mount/demount head features replaceable plastic inserts to protect wheels.
- Powerful, multi-angle adjustable bead breaker shovel loosens the most difficult tires and wheels.
- Requires compressed air and 110V. Air powered motor also available.
- Final assembly and tested in the USA.
HEAVY DUTY TIRE CHANGERS

SM56T

A heavy-duty off-road tractor tire changer with wheel clamping range from 14” to 46”, maximum tire diameter of 90” and maximum tire width 42”. Perfectly suited for tube and tubeless tires used on heavier off-road farm and commercial use tractors.

- Utilizes a self-centering four jaw clamping jaw drive system which doubles as a wheel lift.
- All operation controlled from a portable control unit to gain access to multiple areas around the tire and wheel during service. Aids in tire bead lubrication, demounting and mounting.
- Bi-directional rotation of the clamping system works with an adjustable bead loosening arm with up to 6000 LbF (2720 KgF).
- Operated with a simple to use hand-held control unit.
- Heavy duty 220v, 3 ph. 50/60 Hz high torque motor.
- Final assembly and tested in the USA.

CM27T

The CM27T is perfectly suited for tube and tubeless type tires used on over-the-road Class 8 commercial trucks and some off-road tractor tires and rims. The pivoting four-jaw clamping chuck aids as a wheel lift. Prevents liabilities of manual truck tire changing by allowing the machine to perform all the heavy lifting and service work.

- Self-centering wheel clamping from 13”-27” diameter and tire diameters to 63”. Nominal HD truck wheel service ranges from 15” to 24.5” rims.
- All operation controlled from a portable control unit to gain access to multiple areas around the tire and wheel during service. Aids in tire bead lubrication, demounting and mounting.
- Bi-directional rotation of the clamping system works with an adjustable bead loosening roller force of over 4100 LbF (1860 KgF).
- Heavy duty 220v, 3 ph. 50/60 Hz high torque motor.
- Final assembly and tested in the USA.

HEAVY DUTY OFF-ROAD TRACTOR | TIRE CHANGER

HEAVY DUTY TRUCK & BUS | TIRE CHANGER

## COMPARISON TIRE CHANGERS

<table>
<thead>
<tr>
<th>SM355 EVOPA</th>
<th>SM628 BPS</th>
<th>SM643HPA</th>
<th>SM675</th>
<th>SM1100</th>
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<td>HIGH VOLUME USE FOR OEM, DIFFICULT LOW PROFILE CUSTOM WHEELS AND OVERSIZED TIRE APPLICATIONS.</td>
<td>GENERAL SERVICE USE FOR OEM FITMENTS DIFFICULT LOW PROFILE CUSTOM AND MULTIPLY COMMERCIAL APPLICATIONS.</td>
<td>HIGH VOLUME OEM FITMENTS IN DIFFICULT LOW PROFILE CUSTOM AND MULTIPLY COMMERCIAL APPLICATIONS.</td>
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<td>220, 1PH + AIR</td>
<td>110, 1PH+ AIR</td>
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# Heavy Duty Comparison

## Tire Changers

### Legend

- **Standard:** x
- **Optional:** OPT

## Table

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<tbody>
<tr>
<td>Road Vehicles Up to Class 8 Trucks, Farm</td>
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<tr>
<td>Tractors and Construction Equipment</td>
<td>Larger Off-Road Tractors, Farm Implements and Construction</td>
</tr>
<tr>
<td>Construction Equipment</td>
<td>Equipment</td>
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<tr>
<td>MOUNTING ARM</td>
<td>Moveable Combo Disc Roller &amp; Mount Head</td>
</tr>
<tr>
<td>MOUNT HEAD</td>
<td>Leverless</td>
</tr>
<tr>
<td>RIM CLAMPING METHOD</td>
<td>Self Centering 4-Jaw Chuck</td>
</tr>
<tr>
<td>RIM CLAMPING RANGE</td>
<td>13&quot;-27&quot;</td>
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<tr>
<td>TIRE BEAD LOOSENER</td>
<td>Disc Roller</td>
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<td>POWER SUPPLY (v)</td>
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<table>
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<tr>
<th>APPLICATION</th>
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<tr>
<td>Larger Off-Road Tractors, Farm Implements</td>
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<td>and Construction Equipment</td>
<td>Construction Equipment</td>
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<td>MOUNTING ARM</td>
<td>Moveable Combo Disc Roller &amp; Mount Head</td>
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<tr>
<td>MOUNT HEAD</td>
<td>Leverless</td>
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<td>Disc Roller</td>
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<td>WHEEL LIFT MAXIMUM WEIGHT</td>
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<tr>
<td>POWER SUPPLY (v)</td>
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## Standard Accessories

### Wheel Balancers

- **Standard Manual Accessories**
  - Manual Locking Kit
  - Cone
  - Rim Width Gauge
  - Weight Hammer

- **Standard Pneumatic Accessories**
  - Manual Locking Kit
  - Cone
  - Rim Width Gauge
  - Weight Hammer

- **Standard ER90/ER100 Accessories**
  - Manual Locking Kit
  - Cone
  - Rim Width Gauge
  - Weight Hammer

- **Standard Heavy Duty Manual Accessories**
  - Manual Locking Kit
  - Cone
  - 4-Piece Truck Cone Kit
  - Rim Width Gauge
  - Weight Hammer
## STANDARD ACCESSORIES
### HEAVY DUTY AND MOTORCYCLE BALancers

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<tr>
<td>Star Adaptors Kit</td>
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<td>Weight Hammer</td>
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<tr>
<td>Wheel Aligners</td>
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<td>Heavy duty and Motorcycle Balancers</td>
<td>461F79024</td>
</tr>
<tr>
<td>Tire Grabber Kit</td>
<td>460W6633</td>
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<tr>
<td>+10mm Extension</td>
<td>460W6623</td>
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## STANDARD C202SE ACCESSORIES

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>Kit</td>
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<tr>
<td>Star Adaptors Kit</td>
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<tr>
<td>Cone</td>
<td>9400310202</td>
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<tr>
<td>Rim Width Gauge</td>
<td>9400310303</td>
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<tr>
<td>Weight Hammer</td>
<td>304W5525</td>
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<tr>
<td>Accessory Rack</td>
<td>661C5155</td>
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<td>Arm Extensions</td>
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<td>Dog Bone</td>
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## STANDARD DWA3500 ACCESSORIES

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<tbody>
<tr>
<td>HD Targets</td>
<td>Front: EWAC03-01H, Back: EWAC03-02H</td>
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<tr>
<td>Grips/Pins</td>
<td>EWAC09-03HD</td>
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<tr>
<td>Brake Pedal Depressor</td>
<td>74A010479</td>
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<tr>
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<td>74A010478</td>
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<tr>
<td>Bungie Cord</td>
<td>21DW7636</td>
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## STANDARD DWA1100 ACCESSORIES

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<th>Accessory</th>
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<tbody>
<tr>
<td>Rim Clamps</td>
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<tr>
<td>Grips/Pins</td>
<td>EWAC1100503</td>
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<td>Brake Pedal Depressor</td>
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## STANDARD DWA TRUCK ACCESSORIES

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<td>Clamp Extensions</td>
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<td>Dually Pins</td>
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<td>OTR Truck Pins</td>
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## MOTORCYCLE STANDARD ACCESSORIES

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<th>Accessory</th>
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<td>Rim Width Gauge</td>
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