RAVAGLIOLI

2017
Heavy Duty
Equipment Selection

Limited Lifetime Support

RAVAmerica

All Machines Manufactured in Europe
800-816-8138
ravamerica.com
ravaglioli.com

Service Equipment
Industry Leading Truck Aligners
No Push, No Roll, No Compensation Technology

**TD8060TWS Bluetooth System**
*Our best selling heavy duty alignment system for in-shop use.*

- Non Runout Fast Clamps for faster and more accurate measurements
- Use your smartphone or tablet to operate and view the system
- Premium software for trucks, trailers, multi-axles, coaches, cars, and light trucks
- Set-up and measuring times in as little as 2 minutes
- FastCheck software included
- Fully functional using only 4 Bluetooth measuring heads instead of 6
- Industrial quality PC with Windows OS
- Lifetime Support Package included
- New graphic based E-Z Printout
- Extremely simple operation with little training required

**TD8060TWS FastCheck Test Alignment System**
"The Alignment Selling Machine"
*Focus Your Efforts and Sell More Alignments*

- Dramatically increase your alignment revenue in 3 easy steps:
  1. Fast check the vehicle's alignment condition in as little as 2 minutes
  2. Generate e-z printout with images showing alignment condition
  3. Use the e-z printout to sell the alignment to the customer based on real test results.
- Possible to fast check steer axle only with two head system
- Possible to adjust steer axle only if you wish
- Can be converted later to full 4 head alignment system
- Portable trolley does not have to be near the vehicle being tested...park it anywhere in the shop. The system will communicate wirelessly thru Bluetooth transmitting data from the heads to the console.

**TD8060COMBO 6CCD**
The True Multi-Purpose Alignment System
*The Combo efficiently aligns trucks, cars, or light trucks with just one alignment system!*

**TD8060TWS Mobile Alignment System**
*Transport your RAV Alignment System Safely and Conveniently On Site To The Customer’s Location*

- Premium HD Alignment Software
- Premium Auto/Light Truck Alignment Software
- HD vehicle database
- Car/Light Truck Database updatable via Internet
- Industrial Quality PC
- 4 Bluetooth Truck Sensor Heads
- 2 Bluetooth Car/LT Front Sensor Heads
- Set of 4 Truck Non-Runout Fast Clamps
- Set of 4 Car/LT Non-Runout Fast Clamps
- Pair of RAV HD front turnplates
- Industrial quality portable cabinet
- 24” Wide Screen Monitor
- Printer

Transport your alignment system safely and conveniently with confidence. The custom cases protect the system against the rigors of transport, dust, or moisture. Simply roll the mobile cases into your van, truck, or trailer and take your services on-site to the customer's location.

- Two military grade custom foam filled cases
- Durabook hard service laptop computer
- SmartPhone/Tablet for remote control of system
- Bluetooth wireless measuring heads
- Non-Runout Fast Clamps
- Printer
- Trailer capability
- Electronic calibration by user
An Alignment System for Every Purpose
Limited Lifetime Support with Every System

NO ROLLING...NO PUSHING OF THE TRUCK REQUIRED

Standard Model Can Be Used For Double Duty:
Fast-Check The Vehicle To Sell The Alignment... Then Use The Same System For The Alignment.

Special Combo System For Passenger Cars, Light Trucks, Heavy Trucks...Fast-Checks, Trailers, Coaches...One System Does It All!

No Pushing, Rolling, or Raising of the Vehicle

Fast clamps eliminate any need for runout compensation

Trailer Alignment is Quickly and Accurately Done

The software guides the operator through the alignment of as many as 8 trailer axles. On or off truck.

Special model available for van/delivery truck dealers

Special configuration and adaptors for dealers and fleets of cube vans, sprinters, and other two axle delivery vehicles.

Works off the Floor, With a Lift, or Over the Pit

This innovative and flexible alignment system works with any alignment lift, off the floor, or over the pit.

New Rav Fast-Check Alignment System...Sells Alignment Service and Feeds Your Entire Shop With Profitable Suspension Work.
- Works With Any Brand Alignment Machine You May Already Own.

SMART PHONE REMOTE INDICATOR

 Allows the use of Smart Phones as the aligner remote control and remote indicator. Requires wireless network
**FastCheck Creates Alignment Sales...Parts Sales...and Labor Sales**

By Quickly Testing the Alignment Condition of Every Vehicle.

Complete Portability and Smartphone Control
Allows You to Work From Any Bay or Even Outside the Building.

Portable wireless trolley can be stationed almost anywhere in the work area...wireless communication via Bluetooth Allows the sensor heads to communicate across the shop...even through walls.

SmartPhone or Tablet allows you to view and operate the system remotely from anywhere in the work area.

**NO ROLLING, PUSHING, OR RAISING THE VEHICLE!**

1. Drive on to low profile slip plates
2. Install FastClamps and Measuring Sensors
3. Select vehicle from database.
4. Steer to straight ahead and level
5. Enter customer information
6. Print Report and Sell the Job

**PAYBACK IN ONE YEAR OR LESS**

It is more than realistic to expect a full return on your investment in one year or less.

One additional alignment service sold per week will pay for the FastCheck System in one year. Income from additional parts and labor sales is not reflected in this illustration.

**ROI Illustration**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>FastCheck 2 Cost</td>
<td>$15,900.00 + Tax</td>
</tr>
<tr>
<td>Average gross income per alignment</td>
<td>$325.00</td>
</tr>
<tr>
<td>Profits from Additional Sales Generated by FastCheck</td>
<td></td>
</tr>
<tr>
<td>One additional alignment sold per week</td>
<td>$16,900 per year</td>
</tr>
<tr>
<td>One additional alignment sold per day</td>
<td>$101,400 per year</td>
</tr>
</tbody>
</table>

**SPECIAL FINANCING FOR ONE YEAR RETURN ON INVESTMENT!**

12 MONTHS AT ZERO PERCENT INTEREST

DIVIDE TOTAL COST PLUS TAX BY 12 TO ARRIVE AT MONTHLY PAYMENT

Apply for special financing at www.ravamerica.com or call: 800-816-8138

**USE THE FULL COLOR E-Z PRINTOUT TO SELL THE JOB!**

E-Z Printout of the Steer Axle Using the FastCheck 2 System
Send the printout to the customer directly from the Smartphone or Tablet
E-Z Printout of the Steer Axle and Both Drive Axles Using the FastCheck 4

Use the E-Z Printout to sell the customer in your waiting area...by telephone or send the printout to the customer from your Smartphone!

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Truck Aligner Accessories

**4 point**

- Rat of self-centering 4 point clamps with long remountable clamps. Moving center replaces position of the sensor to the vehicle body.

- Kim grabbing claw

- 12° - 20°

- ≥760 mm (27.5°)

**3 point - no run out**

- Set of 2 non-runout quick adapters. By referencing the wheel center which is almost perfectly accurate, we can deliver a more accurate measurement without need to raise each wheel position to perform runout compensation. This increases accuracy while saving 15-20 minutes per truck.

**EXCLUSIVE NO-RUNOUT FAST CLAMPS**

**4 point + quick lock**

- Set of self-centering 4 point clamps, with quick locking slots and handle.

- Kim center cleat

- 8 x 35 mm (2.2°)

- 12° - 20°

- ≥780-1220 mm (31° - 48°)

**Trailer**

- Adapter for trailer alignment

- Adapter N° 1 (standard)

- Adapter N° 2 (standard)

**Calibration**

- (Truck) + Car

- Accessories for Calibrating Truck + Car

- STD4302: 6 x 70 mm (2.75°)

- STD4302: 6 x 345 mm (13.5°)

- STD4302: 6 x 260 mm (10°)

**Truck Aligner Accessories**

- Turntables

- STD4304: 8 x 35 mm (2.2°)

- STD4304: 10 x 60 mm (1.97°)

- STD4304: 12 x 90 mm (1.67°)

- STD4304: 16 x 180 mm (1.2°)

- STD4304: 20 x 280 mm (1.2°)

- STD4306: 8 x 35 mm (2.2°)

- STD4306: 10 x 60 mm (1.97°)

- STD4306: 12 x 90 mm (1.67°)

- STD4306: 16 x 180 mm (1.2°)

- STD4306: 20 x 280 mm (1.2°)
**Video Truck Balancer**

GTLE.140C VIDEO TRUCK BALANCER

Powerful and rugged enough for the heaviest commercial wheels... accurate enough for the famous race cars of Italy. The versatility of this machine is unsurpassed within our industry. Can be accessorized for complete automotive, light truck and medium duty truck applications. Software is displayed on full color 15” LCD making easy operation out of even complicated balancing procedures.

- Powerful DC drive system
- Full range of truck and automotive software
- Auto distance and diameter input
- Automatic stop with air lock at 12 o'clock for correct weight placement
- Extremely fast cycle times
- Pneumatic lift and machine are rated to handle 440 lbs assemblies
- Optional car and light truck adapters available
- Calibration feature included

**TECHNICAL DATA**

- Rim diameter: 10” - 30” / 10” - 26” (automatic)
- Rim width: 5” / 7”
- Max. wheel weight: 440 lbs
- Read-out accuracy Truck: ± 0.02 lb f/g
- Read-out accuracy Cars: ± 0.05 lb f/g
- Rotation speed Truck: 80 rpm
- Rotation speed Cars: 100 rpm
- Power supply: 110V Single phase

**GTLE.140C DOUBLE WHEEL STOP**

One push of the green key and wheel advances and automatically stops in the internal balance position.

**Standard Truck Balancer**

GTLE.120C TRUCK-CAR LT. TRUCK BALANCER

Rugged, dependable and accurate system in a lower cost machine. LCD display allows easy use of all functions including tape weight programs. Same 440 lb rated pneumatic lift and accessory set. Precisely accurate for cars and light truck wheels simply add additional adapters. A precise and dependable workhorse for the fleet or tire shop.

- DC Drive System
- Standard software
- Manual data entry
- LCD Display
- Fast Cycle Times
- Accuracy to within one gram
- Optional car and light truck adapters
- Calibration feature included

**TECHNICAL DATA**

- Rim diameter: 10” / 30” / 26” (automatic)
- Rim width: 5” / 7”
- Max. wheel weight: 440 lbs
- Read-out accuracy Truck: ± 0.02 lb f/g
- Read-out accuracy Cars: ± 0.05 lb f/g
- Rotation time: 6 x
- Rotation speed: < 100 rpm
- Power supply: 110V Single phase

**STANDARD EQUIPMENT**

- Width measuring caliper
- Weight hammer

**OPTIONS**

- GAR122
- GAR123
- GAR114 (0.7”-0.8”-1.1”)
- GAR113 (0.4”-0.6”-0.8”)

**Upgrade system with sonar runout measurement and bluetooth printer interface kit.**

Sonar measurement device measures the eccentricity of the tire aid allows for fast and easy optimizing of the tire and wheel.

Blue tooth wireless printer interface kit transfers data from the wheel balancer to your office pc. This allows reports and records to be worked on by your office printer showing balance and eccentricity conditions of the tire and wheel.

**TRUCK BALANCER ACCESSORIES**

- GAR172
- GAR301
- GAR161
- GAR302
- GAR171
- GAR174
- GAR303
- GAR173
- GAR177
The new Roadside mobile truck balancer is a lot of wheel balancer for not a lot of money. The same RAV quality you find in our other machines is evident in this versatile performer. Tilt the machine on its casters and roll it on any hard surface.

To custom fit your application we offer several different adaptor packages. We prefer to outfit the machine to fit your needs as closely as possible. This means you are not required to purchase expensive tooling that you do not need.

• Basic truck package
• ProMax HD truck package
• Basic light truck package
• ProMax MD light truck package
• Basic car package
• ProBalance car package

Technical Data
• Rim diameter – 10-26” automatic/larger sizes entered thru keypad
• Rim width – 1.5”-22” automatic/larger sizes entered thru keypad
• Max tire/wheel weight – 440 lbs.
• Degree of accuracy Within – 1 gram
• Rotation speed – 80 rpm for truck/100 rpm for car
• Power supply – 115v 1ph (converted to 24vDC)

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**GRS-926 Scout Truck Tire Changer**

Great for changing difficult light truck tires.

**G9156.11N Truck Tire Changer**

Best for light truck and small workshop service.

**GRS-926 RoadSide Mobile Truck Tire Changer**

Fits into van, trailer, or truck.

**G9156.11N**

Controls with lever type hydraulic, double-acting.

**TECHNICAL DATA**

- **Chucking unit rotation motor:** 1.1 HP
- **Hydraulic drive unit motor:** 2 HP
- **Rim Ø:** 11" - 23**
- **Max. wheel Ø:** 51"**
- **Max. allowable wheel width:** 23.6"**
- **Weight:** 833 lbs
- **Base lever power:** 10600 lbs f.w.
- **Max. wheel weight:** 2445 lbs
- **Chuck rotation speed:** 8 rpm

**QUICK DEMOUNTING**

1. Manual foot rotator with spring loaded.
2. **TUBE AND TUBELESS**
3. **QUICK MANUAL ROTATION**

**SPECIAL ORDER**

- **RAV offers more than 20 models of heavy duty tire changing systems. Models to fit virtually every application and budget.**
- **STAND-BY FUNCTION**
  - Step 1: secure all mudguards, furthest away from the tire
  - Step 2: apply hydraulic clamping

**EASY SETTING**

- **Hydraulic Up-Down Movement**
  - **MINIMUM HEIGHT** 13" (330 mm)
  - **MAXIMUM CLAMPING** Ø 4" (90 mm)

**EASY CLAMPING**

- **Hydraulic In-Out Movement**
  - **MINIMUM CENTER HOLE** Ø 90 mm (3.5"

**COMPUT LIGHT**

- **G9156.11N**
- **ROADSIDE MOBILE**
- **DEMOUNTING**
- **MOUNTING**
RAV Heavy Duty Lifts
Scissors and Four Post Designs

RAV Scissors Lifts 20,000lbs Thru 125,000lbs

RAV SUPER SCISSORS
The ultimate HD lift with runways, these super lifts are a space saving alternative. Available in capacities: 20K...30K...40K...50K...73K...100K and 125K

- Capacity to fit your application
- Dedicated Mechanical Locks for Safety
- Exclusive Hydraulic Synchronization Valve
- Decades of Low Maintenance Usage
- Rolling Jacks Available
- Alignment Versions Available in Many Sizes
- Hydraulic Play Detector is Optional
- Can Be Installed Flush With Floor
- Can Be Installed on the Surface
- Will Increase Bay Production and Income
- Full Lifting Height with Locking Heights at Intervals

RAV SUPER SCISSORS LIFTS

MORE LIFT....LESS SPACE

RAV Super Duty Series Four Post Lifts
Over 6 ft of lifting height in a true 9000LB double scissor with mechanical locking. Ideal for most light trucks as well as passenger cars. Faster operation and a space saving lift.

RAV Super Duty 4 POST
The smoothest, most precise 4 post ever uses a shaft and transmission between posts instead of conventional cables and chains. The result is precise level condition, longer lasting components with less maintenance and smoother, quieter operation.

- 24K, 28K, 40K, and 48K Lifting Capacities
- Drive Shaft Insures Safety
- Shaft and Transmission Insures Synchronization

Drive Shaft and Transmission Between Posts Insure Perfect Level Condition

RAV Scissors Lifts 20,000lbs Thru 125,000lbs

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Drive Shaft and Transmission Between Posts Insure Perfect Level Condition
Hydraulic Columns Lifts

**RAV 295H.4**

12,000 lbs each column
- Simultaneous operation of all columns.
- Electronic gear ratio.
- Synchronization of all columns.
- Safety stop in case of malfunction.
- Low voltage control (24 V) on the main columns.

**SPECIAL VERSION**
- **RAV 295H.4-V**

Version on demand: featuring adjustable lifts for engines up to 500 to 1200 mm in diameter.

12,000 lbs

Options:
- Wheel FOB CROSS-BEAM
- Spring-volute wheels

**RAV 307H.4WS**

16,000 lbs each column
- Control panel available on each column.
- All columns identical.
- Configuration set: 4-6 columns.
- Load cell lifting system enabling wireless 2.4 GHz communication among columns.

**OPERATION MODES**
- ALL: Simultaneous operation of all columns.
- GROUP: Simultaneous operation of selected pairs of columns.
- SINGLE: Single-column operation.

**SYNCHRONIZATION**
- Synchronization at a height difference of 30 mm.
  - Control board according to ISO standards 13560.

**BATTERIES**
- 2 batteries in each column. 20°C 100 Ah, gel type, maintenance-free.
- 20 mm plates with flat leads.
- Yellow tell-tale battery charging recommended. 2 year cells.
- Smart battery charging.

**BATTERY CHARGER**
- 10 m battery charging cable.
- Battery charger works as such, it is not for power supply.
- Batteries can be charged during operation.
- Recharging time approx. 10 hours.

**DISPLAY INFORMATION**
- Operation modes (all, group, single).
- Weight of columns.
- Battery charge condition.
- Diagnostic maintenance.
- Number of columns in a set.

**options**
- **VAR 306H**

**RAV 308H.4NS**
- Two lowering speeds: standard and slow.

Battery Powered Columns Lifts
OUR MISSION
Our goal is simply to provide a superior value for our customers. We take seriously our commitment to quality products, effective support of those products, and the relationship with the customer.

Support And Service Program

LIFETIME USE OF TECHNICAL HOTLINE
Our customers have unlimited access to our technical hotline for the life of the machine. Talk to real experts who can assist you with your situation and help you reach a speedy resolution.

LIFETIME USE OF OUR INTERNET BASED SUPPORT
We are able to access your alignment system via the internet and resolve a myriad of issues without charge and without a technician coming on site. This innovative service allows us to upgrade your software and target data, diagnose system issues, conduct training and much more.

SELF HELP REPAIR INFORMATION AND TUTORIALS
More and more customers are beginning to service their own equipment. What this requires is information and spare parts if needed. We encourage the customer in this direction and gladly provide repair information and spare parts for their machine.

ONSITE SERVICE
In most areas, local RAV service is available to come on site for repairs at your location.

TRAINING
We offer end user training both on site and at our center in Texas. Distributor training available at our center in Texas. Online training, videos, and tutorials are available.