

Rotary®



WHEEL BALANCERS

ROTARY WHEEL SERVICE EQUIPMENT

ALIGN **TRUCKS** **Performance** **Simple** **FASTER**
Dependable **Performance** BALANCE **Reliable** **Simple**
INSPECT **LEADER** **FASTER**
EFFICIENT **LEADER** **Trusted**
Analyze **WHEELHOUSE** **QUALITY** **HEAVY DUTY**
Easier **TECHNOLOGY** **ACCURATE** **Commercial**
Patented **TECHNOLOGY** **ACCURATE** **Commercial**
Innovative **CARS** **ACCURATE** **Commercial**
Best Techs **FASTER** **Trusted**
Passenger **HEAVY DUTY**



www.rotarywheelservice.com

R180 PRO 3DAUTO

3D TECHNOLOGY ELECTRONIC BALANCER with MICROPROCESSOR

EQUIPPED WITH AUTO WHEEL DIMENSION SONAR and LASER RIM SCANNER

PERFECT BALANCING WITH MAXIMUM SPEED AND PRECISION

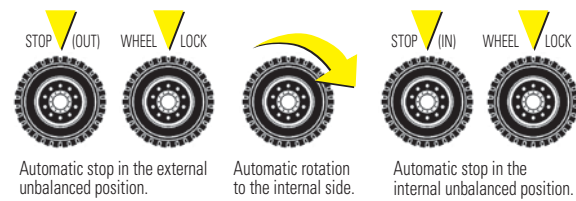
AUTOMATIC BALANCING MODE

The R180 saves time and material cost.

Faster efficient balancing reduces wheel weight consumption while reducing spins and repositioning time lost. Interactive screen output identifies hidden weight location position, provides detailed analysis for precision weight placement.

AUTOMATIC LOCK IN POSITION

Automatic start when the cover is lowered.



AUTOMODE

After lowering the hood the sonar automatically detects wheel dimension.

- The laser scans rim profile
- Balancing program is auto selected
- Adhesive weights are positioned and memorized
- Wheel spoke quantities are checked and position for proper location of hidden weights is located
- Easily switch readout from ounces to grams

PROGRAM FEATURES



MONITOR KEYBOARD
Linked directly to a standard monitor, this durable touch-pad allows for a "gloved" input with the convenience of a touch screen monitor.

GUIDED BALANCING PROCEDURE

The functions related to each key vary according to use and are identified by icons on the display for easier understanding. Residual static readings are displayed throughout service functions.



SPOKE

Hidden weight program



SPLIT PROGRAM



ALU-S

3 automatic ALU S programs



QUICK LOCK



LASER WHEEL SCANNER

The laser pointer indicates the exact positioning for weights

STANDARD ACCESSORIES

OPTIONAL ACCESSORIES SEE PAGE 5



GAR 111
Passenger tire cone kit
1.75" - 4" (44-104 mm)



GAR 345
Large quick nut replacement lock



Caliper and Pliers



GAR 112
Light truck cone
3.75" - 5" (95-124 mm)



SCAN CODE FOR PRODUCT VIDEO

TECHNICAL DATA	R180
Rim diameter	10" - 30 automatic
Rim width	1.5" - 22"
Max. tire diameter	44"
Max. assembly weight	176 lbs. (80kg)
Read out accuracy	1 g
Cycle time	6 seconds
Rotation speed (rpm)	<100
Power supply	110v / 60 Hz / 10

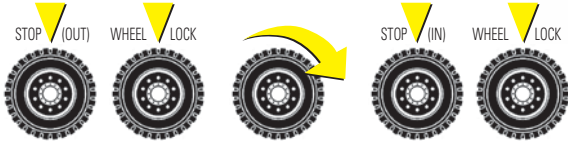
R155 PRO3D

**3D TECHNOLOGY
ELECTRONIC BALANCER with MICROPROCESSOR**

ALL THE FEATURES FOR THE MOST DEMANDING PROFESSIONALS

AUTOMATIC LOCK IN POSITION

Automatic start when the cover is lowered.



Automatic stop in the external unbalanced position.

Automatic rotation to the internal side.

Automatic stop in the internal unbalanced position.

EASY OPERATION

Interactive inputs guide tech during all phases of the balancing process.



Automatic storage of distance and diameter.



Automatic programs.

INTERNAL DATA ARM



Quick selection and rim run-out measurement with internal data gauge.



WIDTH GAUGE

3D wheel tire sensor caliper for automatic measure of rim width



QUICK LOCK



DOUBLE LED

LINKED KEYBOARD



MONITOR KEYBOARD

Linked directly to a standard monitor, this durable touch-pad allows for a "gloved" input with the convenience of a touch screen monitor.



LASER BLADE

The laser pointer indicates the exact positioning for weights



SCAN CODE FOR PRODUCT VIDEO

STANDARD ACCESSORIES

OPTIONAL ACCESSORIES SEE PAGE 5



GAR 111
Passenger tire cone kit
1.75" - 4" (44-104 mm)



Caliper and Pliers



GAR 112
Light truck cone
3.75" - 5" (95-124 mm)



GAR 345
Large quick nut replacement lock

TECHNICAL DATA	R155
Rim diameter	10" - 30
Rim width	1.5" - 22"
Max. tire diameter	44"
Max. assembly weight	154 lbs. (70kg)
Read out accuracy	1 g
Cycle time	6 seconds
Rotation speed (rpm)	<100
Power supply	110v / 60 Hz / 10



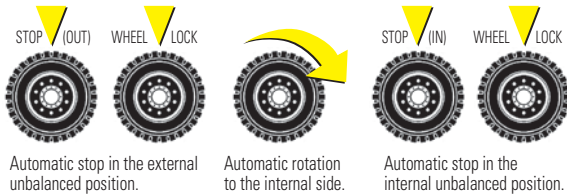
R148PRO2D

2D TECHNOLOGY ELECTRONIC BALANCER with MICROPROCESSOR

EQUIPPED WITH AUTO WHEEL DIMENSION CALIPER
PERFECT BALANCING WITH AUTOMATIC MEASUREMENT OF WHEEL
DISTANCE AND DIAMETER.

AUTOMATIC LOCK IN POSITION

Automatic start when the cover is lowered.



AUTOMATIC DISTANCE + DIAMETER MEASUREMENT

Calliper for automatic distance and diameter measurement.
Automatic ALU S program.



LARGE DIGITAL DISPLAYS

12 PROGRAM FEATURES
FOR CAR, LIGHT TRUCK
AND MOTORCYLES WHEELS



STANDARD ACCESSORIES

OPTIONAL ACCESSORIES SEE NEXT PAGE



HW150400132 / 2.07-6.7" (52.5-110.7mm)
Seven-piece Pro Collet Kit 40mm

- Clad Wheel Problem Solver
- Static Imbalance Solution
- Lower Taper For Better Mounting
- No Wheel Hub Interference



Caliper and Pliers



GAR 345
Large quick nut
replacement lock

TECHNICAL DATA	R148
Rim diameter	10" - 30 automatic
Rim width	1.5" - 22"
Max. tire diameter	44"
Max. assembly weight	154 lbs. (70kg)
Read out accuracy	1 g
Cycle time	6 seconds
Rotation speed (rpm)	<100
Power supply	110v / 60 Hz / 1Ø

R138SHOP

2D LOW ROTATION SPEED FIRST LEVEL COMPUTERIZED BALANCER

Motorized balancer at a great value compliments any shop.

Its small footprint and lower rotational speed offers features even the most demanding operator will appreciate. A heavy-duty 40mm shaft, large 10.5" offset for deep rims, easy to read display and standard accessories completes this great package.

PROGRAM FEATURES



AUTO STOP ON TOP AUTO LOCK

Automatic start when the cover is lowered and automatic stop of the wheel in the external unbalanced position.



CALIPER FOR AUTOMATIC DISTANCE + DIAMETER MEASUREMENT

Automatic ALU S program

STANDARD ACCESSORIES



GAR 111
Passenger tire cone kit
1.75" - 4" (44-104 mm)



Caliper and Pliers



GAR 112
Light truck cone
3.75" - 5" (95-124 mm)



GAR 101
Quick nut
replacement lock



**LARGE DIGITAL
DISPLAY**



Includes **HIDDEN
WEIGHT** program

TECHNICAL DATA	R138
Rim diameter	10" - 26"
Rim width	1.5" - 22"
Max. tire diameter	35.4"
Maximum assembly weight	143 lbs. (65kg)
Read out accuracy	1 g
Cycle time	6 seconds
Rotation speed (rpm)	<100
Power supply	110v / 60 Hz / 1Ø

OPTIONAL ACCESSORIES / R180 / R155 / 148 / 138 BALANCERS



GAR113
Light truck cone
4.65" - 6.8" (118-174mm)
Vans and light trucks



SHOWN: HW210400002
Series IV Quick Plate Kit 40mm

HW200299409
North American Flange Plate Kit 40mm

HW150400110
2.07" - 4.76" (52.5mm-122mm)
**Nine-piece Pro Collet
Kit 40mm**

- Clad Wheel Problem Solver
- Static Imbalance Solution
- Lower Taper For Better Mounting Surface with No Wheel Hub Interference
- Includes collets #1 thru #9



GAR124 Spacer for all balancers
May be used with GAR112 and the #8, 9, 10 & 11 collets



GAR324 Wheel lift with automatic compensation of wheel weight
Memorizes wheel weight - when the wheel is removed from the balancer, there are no forces on balancer shaft.

GAR325 Wheel lift / standard version

R544PRO

TRUCK 2D

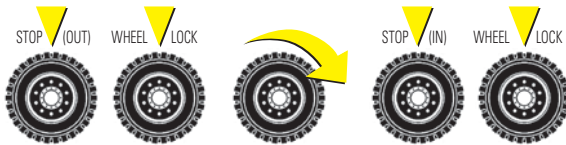
MICROPROCESSOR CONTROLLED WITH SELF-CALIBRATION / DIAGNOSTICS
SPECIFIC BALANCING PROGRAMS FOR STATIC, DYNAMIC and ALU WHEELS.

FAST AND ACCURATE BALANCING OF COMMERCIAL TRUCK WHEELS

One single spin with low rotation speed provides all the values. Readout of out of balance values and the related position on the wheel. Wheel diameter and width in inches or millimeters. Unbalance readout in grams or ounces.

AUTOMATIC LOCK IN POSITION

Automatic start when the cover is lowered.



Automatic stop in the external unbalanced position.

Automatic rotation to the internal side.

Automatic stop in the internal unbalanced position.



STANDARD AIR TIRE LIFT
441 Lbs. capacity



2D AUTOMATIC DATA INPUT
Digital calliper with optical sensor, with alloy shaft sliding bushes.
Automatic storage of distance and diameter up to 26".



PRECISION WHEEL LIFT



AIR LOCK IN POSITION



SPEED



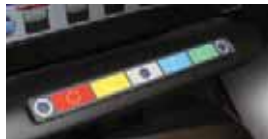
Shown with optional GAR266T width sensor arm

AIR LOCK
Pneumatic locking of the wheel.



AIR BRAKE
An electro-pneumatic brake keeps the wheel in the unbalance position.

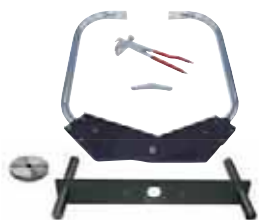
MONITOR KEYPAD



19" FULL COLOR MONITOR

STANDARD ACCESSORIES

OPTIONAL ACCESSORIES SEE NEXT PAGE



CALIBRATION KIT
Width Calipers
Weight Pliers
Calibration Weight

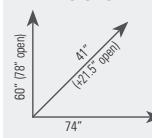


GAR 122 Truck spacer **GAR 114 202/221/281 2 Cones for trucks**
7.9" - 8.7" - 11"



GAR 351
Standard air lock nut

DIMENSIONS



SCAN CODE FOR PRODUCT VIDEO

TECHNICAL DATA	R544
Rim diameter	10" - 30"
Rim width	1.5" - 22"
Max. tire diameter	51"
Maximum assembly weight	441 lbs. (200kg)
Read out accuracy	10 g 1 g
Rotation speed (rpm)	100 80
Power supply	110v / 60 Hz / 10

R540RTL

TRUCK 2D

2D TECHNOLOGY

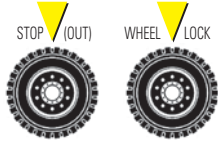
ELECTRONIC BALANCER with MICRPROCESSOR



LARGE DIGITAL DISPLAY
Integrated keyboard

AUTO STOP ON TOP / AUTO LOCK

Automatic stop of the wheel in the external unbalanced position.



AUTOMATIC BALANCING MODE

Versatile machine designed for easy, fast and accurate balancing of motorcycle, car and commercial wheels.

Microprocessor controlled with self-calibration and self-diagnostics.

Specific balancing programs for static, dynamic and ALU wheels. One single spin with low rotation speed provides all the values. Readout of out of balance values and the related position on the wheel. Wheel diameter and width in inches or millimeters. Unbalance readout in grams or ounces.



STANDARD ACCESSORIES



GAR 111
Passenger tire cone kit
1.75" - 4" (44-104 mm)



CALIBRATION KIT

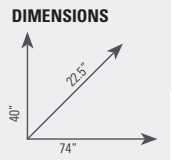


GAR 344
Quick lock



AIR BRAKE
An electro-pneumatic brake keeps the wheel in the unbalance position.

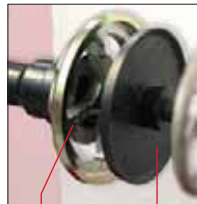
STANDARD AIR TIRE LIFT
441 Lbs. capacity



GAR 112
Light truck cone
3.75" - 5" (95-124 mm)



GAR 113
Light truck cone
4.65" - 6.8" (118-174 mm)



GAR 122
Truck spacer

GAR 114 202/221/281
2 Cones for trucks
7.9" - 8.7" - 11"



GAR124 Spacer
May be used with GAR112 and the #8,9,10,11 collets

TECHNICAL DATA	R540
Rim diameter	10" - 30
Rim width	1.5" - 22"
Max. tire diameter	51"
Maximum assembly weight	441 lbs. (200kg)
Read out accuracy	10 g 1 g
Rotation speed (rpm)	100 80
Power supply	110v / 60 Hz / 10

OPTIONAL ACCESSORIES / R544 / R540 BALANCERS

CAMION / TRUCK / LKW APPLICATION

GAR 171 three finger adapter
(3X170, 186, 205, 222, 245)

GAR 172 four finger adapter
(4X275, 285) 202-221-281

GAR 173 five finger adapter
(5X225, 286, 335)



SHOWN: GAR 172
Four finger adapter



HW700E400020
Truck centering disc
Fits 219.9mm / 8.65" and 220.8mm / 8.69"
Requires GAR173 and/or GAR172 for use



GAR 266T
WIDTH SENSOR
3D wheel tire sensor caliper for automatic measure of rim width

PASSENGER CAR / LIGHT TRUCK APPLICATION



GAR 111
Passenger tire cone kit
1.75" - 4" (44-104 mm)



GAR 112
Light truck cone
3.75" - 5" (95-124 mm)



GAR 113
Light truck cone
4.65" - 6.8" (118-174 mm)

GAR124 Spacer
May be used with GAR112 and the #8,9,10,11 collets



TIRE CHANGERS

WHEEL BALANCERS



ALIGNMENT RUNWAY LIFTS

ALIGNMENT SYSTEMS



Rotary's line of premium equipment is manufactured to the highest standards of quality and durability to help you perform the job right the first time, every time.

Offer your customers top quality tire and wheel service by putting Rotary to work for you.

Rotary Wheel Service Equipment

2700 Lanier Drive / Madison, IN 47250, USA

www.rotarylif.com/Wheel-Service



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For additional information:
rotarylif.com/Government-Purchasing-Assistance/

Lit# Rotary Wheel Service Balancers Brochure.2019.05

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Rotary wheel aligners are manufactured using the following patents: US Patent No. 9,453,724.B2 / US Patent No. 9,300,864 B2

Product specifications, part numbers, images and component descriptions are subject to change without notice or liability.



EASY DRIVE-OVER TIRE AND WHEEL ANALYSIS

TREADSCAN™ 2700

FULLY AUTOMATED TIRE TREAD and ALIGNMENT MEASURING SYSTEM

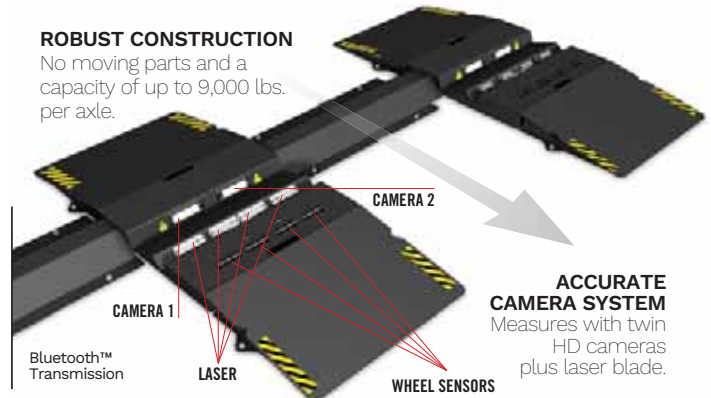
Before the driver exits the vehicle, all tire and wheel diagnostics are available with TREADSCAN!

Within seconds, tires are evaluated for uneven tread wear and tread inconsistencies and are analyzed, captured and presented to your customer with zero technician labor involved. Easily track, record and present TreadScan™ findings for potential wheel alignment work, suspension adjustments or a new set of tires.



ROBUST CONSTRUCTION

No moving parts and a capacity of up to 9,000 lbs. per axle.



ACCURATE CAMERA SYSTEM

Measures with twin HD cameras plus laser blade.

This diagnostic report provides data your customers need for purchase decisions that translate into future sales and services for you.

SYSTEM OPTIONS

STAND ALONE SYSTEMS

#VSTPWS101
SURFACE INSTALLATION

#VSTPWS101i
RECESSED INSTALLATION

PC on trolley with measuring equipment. System has access to customer data and measurement values. Windows based system.



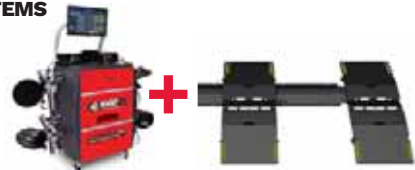
QUICK INSPECTION SYSTEMS

#VSTPWS103
SURFACE INSTALLATION

#VSTPWS103i
RECESSED INSTALLATION

Measuring upgrade kit for existing wheel alignment or test lane.

Compatible with all Rotary alignment systems.



TIRE MEASURING and ALIGNMENT CHECK

TREADSCAN™ TIRE INSPECTION

SCAN CODE FOR PRODUCT VIDEO

