

# Rotary®



## ***WHEEL BALANCERS***

*ROTARY WHEEL SERVICE EQUIPMENT*



[www.rotarywheelservice.com](http://www.rotarywheelservice.com)

# R180 PRO 3D AUTO TECHNOLOGY

**ELECTRONIC BALANCER with MICROPROCESSOR**

**EQUIPPED WITH AUTO WHEEL DIMENSION SONOR and LASER RIM SCANNER**

**PERFECT BALANCING WITH MAXIMUM SPEED AND PRECISION**

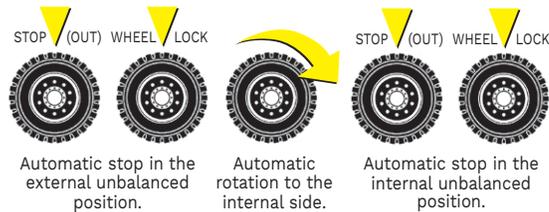
## AUTOMATIC BALANCING MODE

**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.**



Automatic stop in the external unbalanced position.

Automatic rotation to the internal side.

Automatic stop in the internal unbalanced position.



**QUICK LOCK**

## 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.



### LASER WHEEL SCANNER

The laser pointer indicates the exact positioning for weights



**SCAN CODE FOR PRODUCT VIDEO**

## 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



## STANDARD ACCESSORIES

**OPTIONAL ACCESSORIES SEE PAGE 5**

**VS129591100 / 2.21"- 4.36" (56-110.7mm)**

**Eight-piece double-sided Collet Kit**

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



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



**GAR 345**  
Large quick nut replacement lock



**Caliper and Pliers**



**Wheel diameter:** 10" - 30"  
**Tire width:** 1.5" - 22"  
**Maximum tire diameter:** 44"

**R180 PRO 3D AUTO services:**



Optional equipment may be required

**DIMENSIONS:**  
HEIGHT: 57.125" / 66.5" with hood up  
WIDTH: 53.625"  
DEPTH: 30.375" / 35.625" with hood up

| TECHNICAL DATA       | R180              |
|----------------------|-------------------|
| Max. assembly weight | 176 lbs. (80kg)   |
| Read out accuracy    | 1 g               |
| Cycle time           | 6 seconds         |
| Rotation speed (rpm) | <100              |
| Power supply         | 110v / 60 Hz / 1Ø |

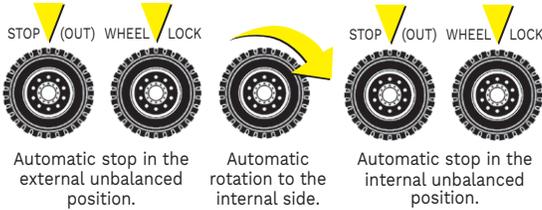
# R155 PRO 3D AUTO TECHNOLOGY

**ELECTRONIC BALANCER with MICROPROCESSOR**

**ALL THE FEATURES FOR THE MOST DEMANDING PROFESSIONALS**

## AUTOMATIC LOCK IN POSITION

Automatic start when the cover is lowered.



## EASY OPERATION

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



Automatic storage of distance and diameter.

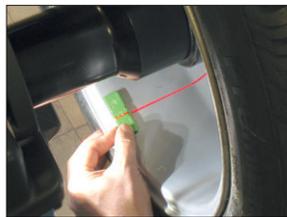


Automatic programs.

## INTERNAL DATA ARM



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



## LASER BLADE

The laser pointer indicates the exact positioning for weights



## 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.



## QUICK LOCK

## WIDTH GAUGE

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



**Wheel diameter:** 10" - 30"

**Tire width:** 1.5" - 22"

**Maximum tire diameter:** 44"

**R155 PRO 3D services:**



Optional equipment may be required

## DIMENSIONS:

HEIGHT: 57.625" / 66.5" with hood up

WIDTH: 50.25"

DEPTH: 37.75"

## TECHNICAL DATA

R155

|                      |                   |
|----------------------|-------------------|
| 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 |



SCAN CODE FOR PRODUCT VIDEO

## STANDARD ACCESSORIES OPTIONAL ACCESSORIES SEE PAGE 5

### VS129591100

2.21"- 4.36" (56-110.7mm)

### Eight-piece double-sided Collet Kit

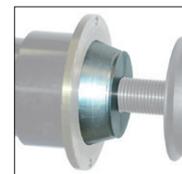
- Clad Wheel Problem Solver
- Static Imbalance Solution
- Lower Taper = Better Mounting
- No Wheel Hub Interference



Caliper and Pliers



**GAR 345**  
Large quick nut replacement lock



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

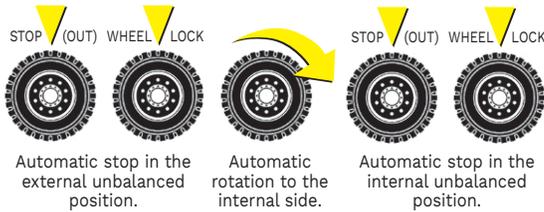
# R148 PRO 2D TECHNOLOGY

**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 stop in the external unbalanced position.

Automatic rotation to the internal side.

Automatic stop in the internal unbalanced position.



## AUTOMATIC DISTANCE + DIAMETER MEASUREMENT

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



## LARGE DIGITAL DISPLAYS

12 PROGRAM FEATURES FOR CAR, LIGHT TRUCK AND MOTORCYCLE WHEELS



**Wheel diameter:** 10" - 30"  
**Tire width:** 1.5" - 22"  
**Maximum tire diameter:** 44"

**R148 PRO 2D services:**



Optional equipment may be required

**DIMENSIONS:**  
 HEIGHT: 52" / 66.5" with hood up  
 WIDTH: 46.625"  
 DEPTH: 37"

## STANDARD ACCESSORIES OPTIONAL ACCESSORIES SEE NEXT PAGE



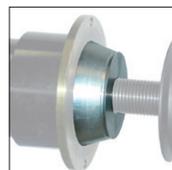
**VS129591100 / 2.21"- 4.36"** (56-110.7mm)

### Eight-piece double-sided Collet Kit

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



**Caliper and Pliers**



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



**GAR 345 Large quick nut replacement lock**

| TECHNICAL DATA       | R148              |
|----------------------|-------------------|
| 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 |

# R138 SHOP

## 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

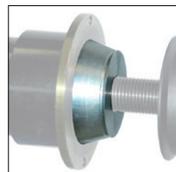


Includes HIDDEN WEIGHT program

### STANDARD ACCESSORIES



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



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



**GAR 101**  
Quick nut  
replacement lock

Caliper  
and Pliers



LARGE DIGITAL  
DISPLAY



Wheel diameter: 10" - 26"  
Tire width: 1.5" - 22"  
Maximum tire diameter: 35.4"

R138 SHOP 2D services:



Optional equipment may be required

**DIMENSIONS:**  
HEIGHT: 46.5" / 62.875" with hood up  
WIDTH: 39.5"  
DEPTH: 29.125"

| TECHNICAL DATA       | R138              |
|----------------------|-------------------|
| Max. 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.

# R544 PLUS TRUCK 3D

## VERSATILE COMMERCIAL TRUCK BALANCER

Fast and accurate balancing of commercial and passenger vehicle wheels.

MICROPROCESSOR CONTROLLED with PROGRAMS FOR SELF-CALIBRATION and DIAGNOSTICS

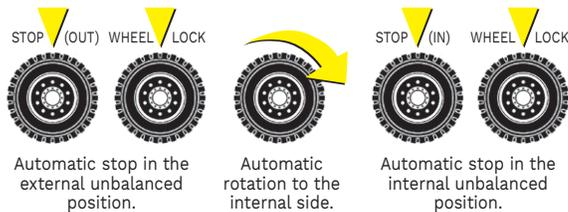
One single low rotation spin provides a readout of out of balance values and gives the related position on the wheel. Operator enters the wheel diameter and width automatically with the gauge.

19" COLOR MONITOR AND KEYPAD

GAR 266T WIDTH SENSOR

## AUTOMATIC LOCK IN POSITION

Automatic start when the cover is lowered.



## 3D AUTOMATIC DATA INPUT



**Digital caliper with optical sensor, and alloy shaft sliding bushes.**

Auto storage of distance and diameter up to 26"



**Integrated LED lights and laser**

### GAR 266T WIDTH SENSOR

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



### AIR BRAKE

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



### GAR 351 Air lock nut

Pneumatic air lock nut on wheel shaft comes standard.



SCAN CODE FOR PRODUCT VIDEO

### STANDARD CALIBRATION KIT

Width Calipers  
Weight Pliers  
Calibration Weight



**Wheel diameter:** 10" - 30"  
**Tire width:** 1.5" - 22"  
**Maximum tire diameter:** 51"

### R544 PLUS services:



Optional equipment may be required

**DIMENSIONS:**  
HEIGHT: 58.375" / 73.875" with hood up  
WIDTH: 78.625"  
DEPTH: 35" / 44.25" with hood up

| TECHNICAL DATA       | R544              |
|----------------------|-------------------|
| Max assembly weight  | 441 lbs. (200kg)  |
| Read out accuracy    | 10 g<br>1 g       |
| Rotation speed (rpm) | 100<br>80         |
| Power supply         | 110v / 60 Hz / 1Ø |

## STANDARD ACCESSORIES



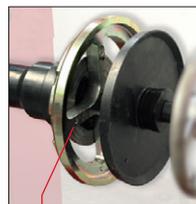
**GAR 111 Passenger tire cone kit**  
1.75"-4" (44-104mm)



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



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



**GAR 122 Truck spacer**

### GAR124 Spacer

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

**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

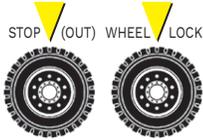


# R540RLTD TRUCK 2D

**2D TECHNOLOGY  
ELECTRONIC BALANCER  
with MICROPROCESSOR**

## 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 commercial and passenger vehicle 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.



**LARGE DIGITAL DISPLAY**  
Integrated keyboard



**STANDARD AIR TIRE LIFT**  
441 Lbs. capacity

## 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.



**Wheel diameter:** 10" - 30"  
**Tire width:** 1.5" - 22"  
**Maximum tire diameter:** 51"

### R540 RLTD services:



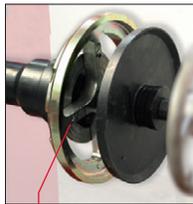
Optional equipment may be required



**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 124

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

**DIMENSIONS:**  
HEIGHT: 40" / WIDTH: 69.5" / DEPTH: 26.25"

| TECHNICAL DATA       | R540              |
|----------------------|-------------------|
| Max assembly weight  | 441 lbs. (200kg)  |
| Read out accuracy    | 10 g<br>1 g       |
| Rotation speed (rpm) | 100<br>80         |
| Power supply         | 110v / 60 Hz / 10 |

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



**SHOWN:  
GAR 172**  
Four finger adapter

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



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

## R544 PLUS / R540 RLTD OPTIONAL ACCESSORIES

CAMION / TRUCK / LKW APPLICATION

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

**HW900008205**  
Adapter Storage Tree



**HW150400110**  
Nine-piece Pro Collet Kit 40mm

2.07" - 4.76" (52.5mm-122mm)  
• Clad Wheel Problem Solver  
• Static Imbalance Solution  
• Lower Taper For Better Mounting Surface with No Wheel Hub Interference  
• Includes collets #1 thru #9





**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.rotarywheelservice.com](http://www.rotarywheelservice.com)



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insidesales@vsgdover.com

### Government Sales:

800.445.5438 X5655

### For additional information:

[rotarylif.com/Government-Purchasing-Assistance/](http://rotarylif.com/Government-Purchasing-Assistance/)



### Tech. Support:

800.445.5438  
technicalsupport@rotarylif.com

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**All Rotary Wheel Service Equipment carries an industry-leading 3 year warranty.**

See website for details.