

# 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 SONAR and LASER RIM SCANNER

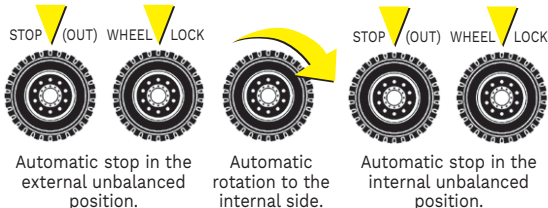
PERFECT BALANCING WITH MAXIMUM SPEED AND PRECISION

### AUTOMATIC BALANCING MODE SAVES TIME AND MATERIALS COST

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

### AUTOMATIC LOCK IN POSITION

Automatic start when the cover is lowered.



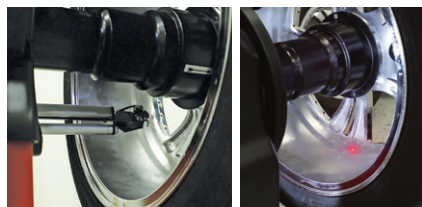
Automatic stop in the external unbalanced position.

Automatic rotation to the internal side.

Automatic stop in the internal unbalanced position.

### 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



### LASER WHEEL SCANNER

The laser pointer indicates the exact positioning for weights

### PROGRAM FEATURES

#### GUIDED BALANCING PROCEDURE



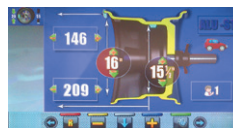
The functions related to each key are identified by icons on the display for easier understanding. Static readings are displayed throughout service functions.



**SPOKE**  
Hidden weight program



**SPLIT PROGRAM**



**ALU-S**  
3 automatic ALU S programs

### STANDARD ACCESSORIES

#### OPTIONAL ACCESSORIES SEE PAGE 7

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

#### Eight-piece double-sided Collet Kit

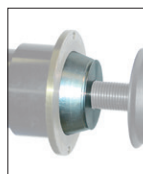
- Clad Wheel Problem Solver
- Static Imbalance Solution
- Lower Taper = Better Mounting
- No Wheel Hub Interference



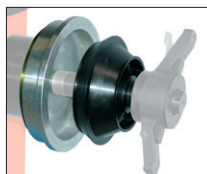
**GAR 345**  
Large quick nut replacement lock



**Caliper and Pliers**



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



**GAR 113**  
Light truck cone  
4.65" - 6.8" (118-174mm)  
Vans and light trucks



**GAR 124 Spacer**  
for all balancers  
May be used with  
GAR112 and the  
#8, 9, 10 & 11 collets



### 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**



SCAN CODE FOR  
PRODUCT VIDEO



**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 / 10 |



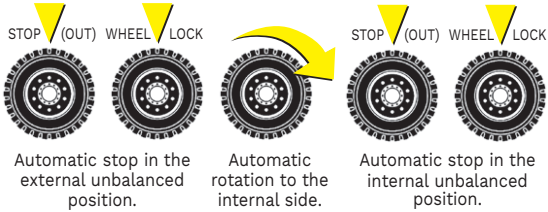
# R155 PRO 3D AUTO TECHNOLOGY

**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 LIGHTING**

## LINKED KEYBOARD



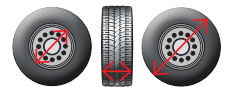
**MONITOR KEYBOARD**  
Linked directly to a standard monitor, this durable touch-pad allows for a "gloved" input with the convenience of a touch screen monitor.



**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 / 1Ø |



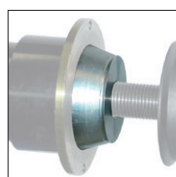
SCAN CODE FOR PRODUCT VIDEO

## STANDARD ACCESSORIES OPTIONAL ACCESSORIES SEE PAGE 7

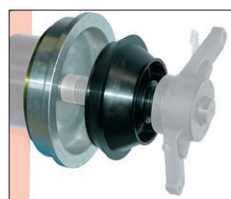
**VS129591100 / 2.21"- 4.36" (56-110.7mm)**

**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 113**  
Light truck cone  
4.65"- 6.8" (118-174mm)  
Vans and light trucks



**GAR 345**  
Large quick nut replacement lock

**Caliper and Pliers**

**GAR 124 Spacer for all balancers**  
May be used with GAR 112 and the #8, 9, 10 & 11 collets

# R148 PRO 2D TECHNOLOGY

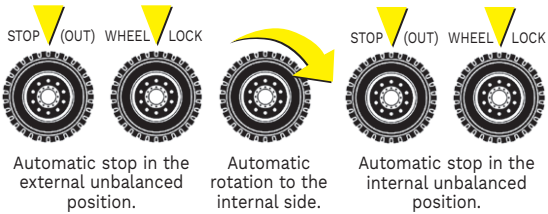
**ELECTRONIC BALANCER with MICROPROCESSOR**

**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.



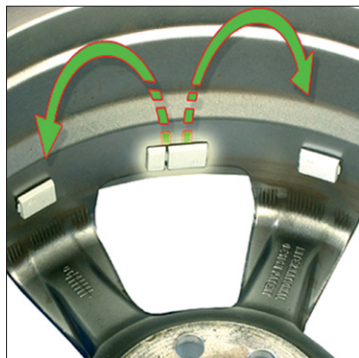
## LARGE DIGITAL DISPLAYS

12 PROGRAM FEATURES FOR CAR, LIGHT TRUCK AND MOTORCYCLE WHEELS



## AUTOMATIC DISTANCE + DIAMETER MEASUREMENT

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



## HIDDEN WEIGHT PROGRAM

Gives you the power to hide the weights behind the spokes of the rim for a clean look.

## STANDARD ACCESSORIES OPTIONAL ACCESSORIES SEE PAGE 7

### VS129591100

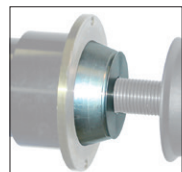
2.21" - 4.36" (56-110.7mm)

### 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



**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"

| 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 |



# R544 PLUS TRUCK 3D

## VERSATILE COMMERCIAL TRUCK BALANCER

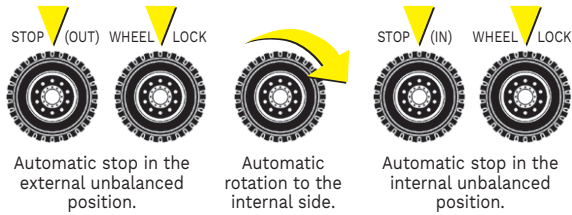
Fast and accurate balancing of commercial and passenger vehicle wheels.

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.

### 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"



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

Integrated LED lights and laser

19" COLOR MONITOR AND KEYPAD



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

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

**AIR LOCK**  
Pneumatic locking of the wheel.



**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:**



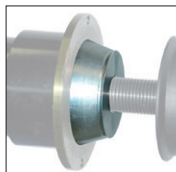
Optional equipment may be required

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

### STANDARD ACCESSORIES OPTIONAL ACCESSORIES SEE PAGE 7



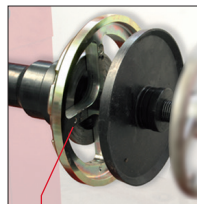
**GAR 111 Passenger tire cone kit**  
1.75"-4" (44-104mm)



**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



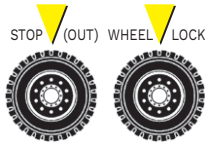
| TECHNICAL DATA       | R544              |
|----------------------|-------------------|
| Max assembly weight  | 441 lbs. (200kg)  |
| Read out accuracy    | 10 g<br>1 g       |
| Rotation speed (rpm) | 100<br>80         |
| Power supply         | 110v / 60 Hz / 1Ø |

# R540 RLTD 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.

## STANDARD ACCESSORIES

**OPTIONAL ACCESSORIES SEE NEXT PAGE**



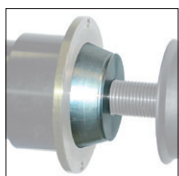
**GAR 111**  
Passenger tire cone kit  
1.75" - 4" (44-104 mm)



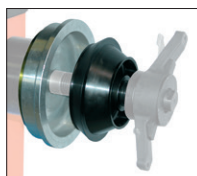
**CALIBRATION KIT**



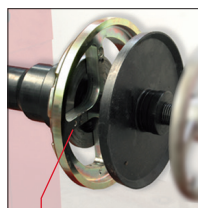
**GAR 344**  
Quick lock



**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



**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

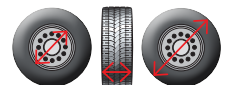


**LARGE DIGITAL DISPLAY**  
Includes an integrated keyboard



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

**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

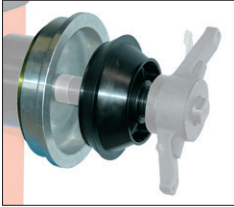
### DIMENSIONS:

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

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



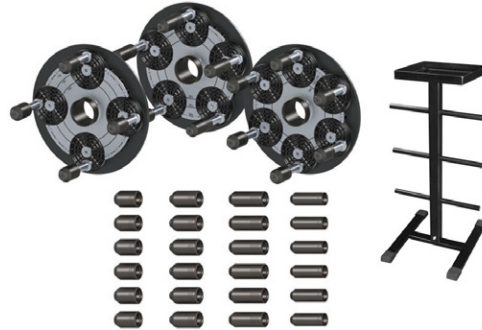
## R180 / R155 / 148 OPTIONAL ACCESSORIES



**GAR113 Light truck cone**  
4.65" - 6.8" (118-174mm)  
Vans and light trucks  
STANDARD ON R180 and R155 BALANCERS



**GAR124 Spacer for all balancers**  
May be used with GAR112 and  
the #8, 9, 10 & 11 collets  
STANDARD ON R180 and R155 BALANCERS



**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



**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 / 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)



**Sales:**

1.812.273.1622 / 800.445.5438  
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

Lit# Rotary Wheel Service Balancers Brochure.2024.12

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

See website for details.