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 rotation to the internal side.
Automatic stop in the external unbalanced position.
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

PROGRAM FEATURES
MONITOR KEYBOARD
Linked directly to a standard monitor, this durable touchpad 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

STANDARD ACCESSORIES

LASER WHEEL SCANNER
The laser pointer indicates the exact positioning for weights

Optional accessories see page 5

ALU-S
3 automatic ALU S programs

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

GAR 345
Large quick nut replacement lock

Caliper and Pliers

QUICK LOCK

TECHNICAL DATA

<table>
<thead>
<tr>
<th>R180 PRO 3D AUTO services:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optional equipment may be required</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>TECHNICAL DATA</th>
<th>R180</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim diameter</td>
<td>10&quot; - 30 automatic</td>
</tr>
<tr>
<td>Rim width</td>
<td>1.5&quot; - 22&quot;</td>
</tr>
<tr>
<td>Max. tire diameter</td>
<td>44&quot;</td>
</tr>
<tr>
<td>Max. assembly weight</td>
<td>176 lbs. (80kg)</td>
</tr>
<tr>
<td>Read out accuracy</td>
<td>1 g</td>
</tr>
<tr>
<td>Cycle time</td>
<td>6 seconds</td>
</tr>
<tr>
<td>Rotation speed (rpm)</td>
<td>&lt;100</td>
</tr>
<tr>
<td>Power supply</td>
<td>110v / 60 Hz / 1Ø</td>
</tr>
</tbody>
</table>
Automatic programs. Automatic storage of distance and diameter.

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

Automatic rotation to the internal side. Automatic stop in the internal unbalanced position.

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

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

The laser pointer indicates the exact positioning for weights.

The laser pointer indicates the exact positioning for weights.

STANDARD ACCESSORIES
OPTIONAL ACCESSORIES SEE PAGE 5

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

GAR 345
Large quick nut replacement lock

GAR 112
Light truck cone 3.75"-6" (95-152 mm)
R148PRO 2D

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

LARGE DIGITAL DISPLAYS
12 PROGRAM FEATURES
FOR CAR, LIGHT TRUCK AND MOTORCYCLE 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

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

STANDARD ACCESSORIES

Includes HIDDEN WEIGHT program
GAR 111
Passenger tire cone kit
1.75" - 4" (44-101 mm)
GAR 112
Light truck cone
3.75" - 5" (95-124 mm)
GAR 101
Quick nut replacement lock

Optional Accessories / R180 / R155 / 148 / 138 Balancers

Optional equipment may be required

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

RIM DIAMETER
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

GAR113
Light truck cone
4.65" - 6.8" (118-174 mm)
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

R138 SHOP 2D services:

North American Flange Plate Kit 40mm

GAR 111
Passenger tire cone kit
1.75" - 4" (44-101 mm)
Caliper and Pliers

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

GAR 101
Quick nut replacement lock

R138 SHOP 2D services:

Optional equipment may be required

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

RIM DIAMETER
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

GAR113
Light truck cone
4.65" - 6.8" (118-174 mm)
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
R544 PRO
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.

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

STANDARD ACCESSORIES
Optional accessories see next page

PRECISION WHEEL LIFT
AIR LOCK IN POSITION
SPEED

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

AIR LOCK
Pneumatic locking of the wheel.

GAR 351
Standard air lock nut

GAR 122
Truck spacer

GAR 114
2 Cones for trucks 7.9” - 8.7” - 11”

GAR 266T
Width sensor arm

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

TECHNICAL DATA R544

| Rim diameter | 10” - 30 |
| Rim width | 1.5” - 22” |
| Max. tire diameter | 51” |
| Maximum assembly weight | 441 lbs. (200kg) |
| Readout accuracy | 10 g |
| Rotation speed (rpm) | 100 |
| Power supply | 110v / 60 Hz / 1Ø |

Optional equipment may be required

R544 PRO services:

SCAN CODE FOR PRODUCT VIDEO
**R540RTLD**

**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 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)

**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

2 Cones for trucks

7.9” - 8.7” - 11”

**GAR 114**

202/221/281

2 Cones for trucks

7.9” - 8.7” - 11”

**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)

**HW700E400020**

Truck centering disc

Fits 219.9mm / 8.65” and 220.8mm / 8.69”

Requires GAR173 and/or GAR172 for use

**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)

**GAR124 Spacer**

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

**GAR 113**

Light truck cone

4.65” - 6.8” (118-174 mm)

**GAR266T WIDTH SENSOR**

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

**DIMENSIONS:**

**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 / 1Ø

**STANDARD ACCESSORIES**

**GAR 344 Quick lock**

**AIR BRAKE**

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

**GAR 114Spacers**

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

**AIR TIRE LIFT**

441 Lbs. capacity

**TECHNICAL DATA**

- **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 / 1Ø
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