# Ravaglioli

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

## WHEEL BALANCERS













TOUCHSPIN TECHNOLOGY

24 volt motor with low speed rotation = *min. power consumption* eco

**G**

P7.340 *scan*

P7.340RS

4.140 *scan*

4.140RS

3.140RS

3.124HD

2.119HD

**GTL**

4.140RC

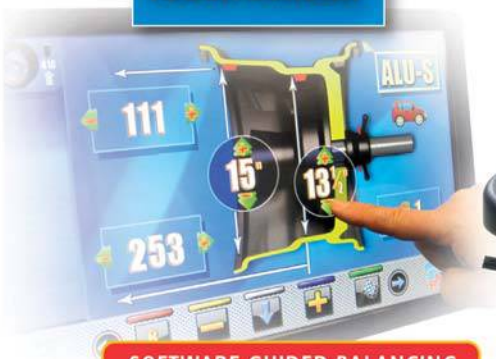
2.120RC

55+ RAV
SINCE 1958

# 3D (or 4D) *TOUCHSPINBALANCER*

**MONITOR 19" TOUCH SCREEN**

*Color monitor TFT SVGA 19" - Industrial PC with static hard disk 3D Graphic.*





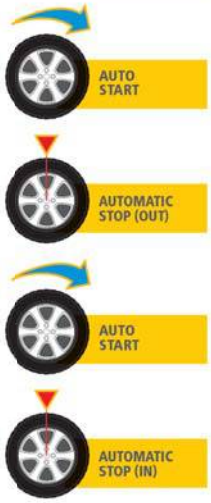


GP7.340SCAN

**DOUBLE LED LIGHT**



**DOUBLE WHEEL STOP**




**SOFTWARE GUIDED BALANCING**




*Summarizes the way in which you are working and suggests additional operations*







*Hidden weight program*



**AIR-LOCK → GP7 SERIES**
*Pneumatic Locking*

## G7 SCAN

**HANDSFREE ACQUISITION OF WHEEL DATA**

**AUTOMATIC BALANCING PROGRAM SELECTION**

**LASER**



| TECHNICAL DATA | |
|---|---|
| Rim diameter | 10" - 30" (automatic) |
| Rim width | 1,5" - 22" |
| Max. wheel weight | 154 lbs |
| Read-out accurancy | 1g - (0,035 oz) |
| Cycle time | 6 s |
| Rotation speed | < 100 rpm |
| Power supply | 110V single phase |

## G7 RS

RS models include (1) + (2)

**1 PRO GAUGE**




**2 LASER POINTER**









**AUTOMATIC DISTANCE + DIAMETER MEASUREMENT**



*Automatic storage of distance and diameter up to 30".*

**QUICK PROGRAM**



**AluS, AluS1, AluS2, Stat, Stat1, Stat2, Dynamic program.**
*Quick selection with internal data gauge.*

**RUN OUT MEASUREMENT**



*Rim run-out measurement with internal data gauge.*

**GAUGE LOCK OUT+IN**



*Internal data gauge with stop in position.*

# 3D (or 4D)
# *TOUCHSPINBALANCER*

## TOUCHSPIN G4.140 SMART BALANCER

Premium 3-D System with electronic runout measurement meter. The industry's easiest balancer to operate allows complete use of Static, Dynamic, and Special alloy modes for tape weights without pushing a single button. For the most complicated programs such as hidden weights only one of the four color coded buttons is required. The digital arm delivers a fast and accurate measurement of tire and wheel runout and also automatically enters the width data for the wheel.

*Color monitor TFT SVGA 19" - Industrial PC with static hard disk 3D Graphic.*




Only 7 color coded buttons operate the entire system




GP4.140RS

## STANDARD EQUIPMENT

4 cone set with speed nut and cup, width measuring caliper

THE WORLD'S SIMPLEST BALANCING SYSTEM RAV
**TouchSpin Technology**

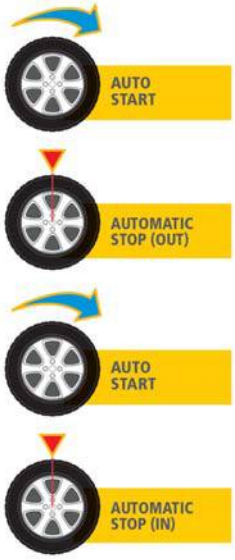
Simply enter wheel data with automatic arms and lower the hood. The RAV System selects the balancing mode you desire and starts the spin cycle. System stops the wheel automatically in the correct position for weight placement.

- No operator's manual necessary for complex balancing procedures.
- Automatic gauges take the place of complicated keypad interaction.

**AUTOMATIC LED LIGHTS**



**DOUBLE WHEEL STOP**




## G4 RS

**LASER POINTER**



Fast and precise indication of the wheel weights position.







**AUTOMATIC DISTANCE + DIAMETER MEASUREMENT**



**QUICK PROGRAM**



ALUS
ALUS1
ALUS2
STAT
STAT1
STAT2
DYNAMIC

*Quick selection with internal data gauge.*

**AUTOMATIC INTERNAL RUN OUT**



*Rim eccentricity measurement.*

## G4 SCAN

**HANDSFREE ACQUISITION OF WHEEL DATA**

**AUTOMATIC BALANCING PROGRAM SELECTION**

**LASER**



| TECHNICAL DATA | |
|---|---|
| Rim diameter | 10" - 30" (automatic) |
| Rim width | 1,5" - 22" |
| Max. wheel weight | 154 lbs |
| Read-out accurancy | 1g - (0,035 oz) |
| Cycle time | 6 s |
| Rotation speed | < 100 rpm |
| Power supply | 110V single phase |

# 3D (or 4D) *TOUCHSPINBALANCER*

## TOUCHSPIN G3.140 BALANCER

Premium 3-D System with affordable 4-D upgrade option. Precise and fast with average 6 second cycle times, this durable DC driven workhorse maybe the most perfect balancer ever for the busy workshop. Standard with 4 cones and speed nut. Optional GAR213 automatic width data entry arm. Can be upgraded now or in the future by adding the RAV Sonar Runout Measurement and our Bluetooth printer interface ki:.




**G3.140R**
*Color monitor 19"*
*Industrial PC.*

### AUTOMATIC DISTANCE + DIAMETER MEASUREMENT



*Automatic storage of distance and diameter.*

### QUICK PROGRAM SELECTION



ALUS
ALUS1
ALUS2
STAT
STAT1
STAT2
DYNAMIC

*Quick selection with internal data gauge.*

### RUN OUT MEASUREMENT



*Rim run-out measurement with internal data gauge.*




### DOUBLE WHEEL STOP

*Wheel stops automatically in both outside and inside unbalance position.*

## G3.140RS

RS models include (1) + (2) + (3)




G3.140RS
GP3.140RS - AIRLOCK

### SOFTWARE GUIDED BALANCING










*3 Automatic ALU S programs.*







*Hidden weight program*

| TECHNICAL DATA | |
|---|---|
| Rim diameter | 10" - 26" (automatic) |
| Rim width | 1,5" - 22" |
| Max. wheel weight | 154 lbs |
| Read-out accurancy | 1g - (0,035 oz) |
| Cycle time | 6 s |
| Rotation speed | < 100 rpm |
| Power supply | 110V single phase |

# ELECTRONIC WHEEL BALANCER
## *WITH MICROPROCESSOR*




G3.124HD
Version with air locking

### DIGITAL BALANCER G3.124HD

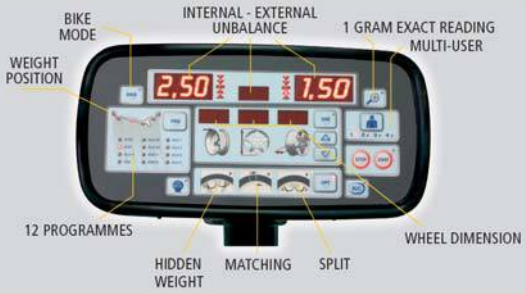
**2-D Model Easily Upgradeable to 3-D**

- Professional machine, which offers all the features requested by the most demanding operators.
- Maximum precision granted by the automatic measurement of distance and diameter and by the automatic ALU S and PAX programmes.
- Quick balancing process thanks to the automatic start when the cover is lowered and automatic stop of the wheel in the external unbalanced position.
- Easy operation thanks to interactive inputs, which guide the operator during all the phases of the balancing process.

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




| TECHNICAL DATA | |
|---|---|
| Rim diameter | 10' - 30" / 10" - 26" (automatic) |
| Rim width | 1,5" - 22" |
| Max. wheel weight | 154 lbs |
| Read-out accurancy | 1g - (0,035 oz) |
| Cycle time | 6 s |
| Rotation speed | < 100 rpm |
| Power supply | 110V single phase |




LARGE SIZE
DIGITAL DISPLAY

# STANDARD BALANCERS

### DIGITAL BALANCER G2.119RD

High performance and Digital display at a very affordable price. Like all RAV premium balancers this machine is DC driven with precise results available in a 6 second cycle time. E-Z balancer software includes all standard programs plus special programs for tape weights. Standard with protective hood, 4 cone adapter set, and speed nut kit.

- 6 second cycle time!
- DC DRIVE!

**• NEW DIGITAL DISPLAY**
**• TWO DIMENSIONAL AUTO DATA ENTRY**




G2.119HD




| TECHNICAL DATA | |
|---|---|
| Rim diameter | 10" - 30" / 10" - 26" (automatic) |
| Rim width | 1,5" - 22" |
| Max. wheel weight | 143 lbs |
| Read-out accurancy | 1g - (0,035 oz) |
| Cycle time | 6 s |
| Rotation speed | < 100 rpm |
| Power supply | 110V single phase |




LARGE SIZE
DIGITAL DISPLAY

# VIDEO
## *TRUCK BALANCER*




GTL4.140RC

## GTL4.140RC 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 17" 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 lb. assemblies
- Optional car and light truck adaptors available
- Calibration fixture included

**GTL4.140**
**AUTOMATIC DISTANCE + DIAMETER MEASUREMENT**



*Digital calliper with optical sensor, with alloy shaft sliding on bushes.* ***Automatic storage of distance and diameter up to 26".***

| TECHNICAL DATA | |
|---|---|
| Rim diameter | 10" - 30" / 10" - 26" (automatic) |
| Rim width | 1,5" - 22" |
| Max. wheel weight | 440 lbs |
| Read-out accurancy Truck | 5g - (0,17 oz) |
| Read-out accurancy Cars | 1g - (0,035 oz) |
| Rotation speed Truck | 80 rpm |
| Rotation speed Cars | 100 rpm |
| Power supply | 110 V (single phase) |

**GTL4.140HC**
**DOUBLE WHEEL STOP**

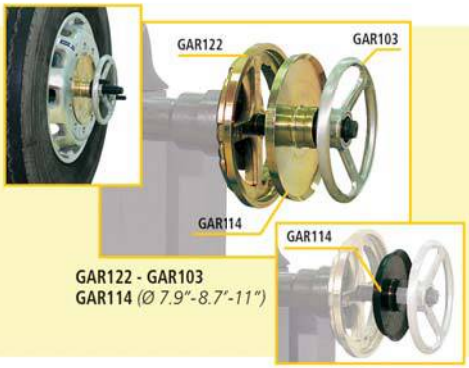



One push of the green key and wheel advances and automatically stops in the internal balance position.

### STANDARD EQUIPMENT



- Width measuring caliper
- Weight hammer




**GAR122 - GAR103**
**GAR114** *(Ø 7.9"-8.7"-11")*



### OPTIONS




**GAR113** *(Ø 4.6"-6.8")*



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

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

**Bluetooth wireless printer interface kit** transfer data from the wheel balancer to your office pc. This allows reports and graphics to be printed by your office printer showing balance and eccentricity conditions of the tire and wheel.



GAR266T - 3D SENSOR



GAR214TK - SONAR RUN OUT (GAR266T required)

# STANDARD
# *TRUCK BALANCER*

## TOUCHSPIN GTL2.120RC 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 adaptors. 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 fixture included

| TECHNICAL DATA | |
|---|---|
| Rim diameter | 10" - 30" / 10" - 26" (automatic) |
| Rim width | 1,5" - 22" |
| Max. wheel weight | 440 lbs |
| Read-out accurancy Truck | 5g - (0,17 oz) |
| Read-out accurancy Cars | 1g - (0,035 oz) |
| Cycle time | 6 s |
| Rotation speed | < 100 rpm |
| Power supply | 110V single phase |




**5" x 1 ½"** *Backlit graphic LCD display.*




**GTL2.120RC**

## STANDARD EQUIPMENT



- Width measuring caliper
- Weight hammer




**GAR 122 - GAR 103**
**GAR114** *(Ø 7.9"-8.7"-11")*



Calibration Kit

## OPTIONS




**GAR 113** *(Ø 4.6"-6.8")*

## TRUCK BALANCER ACCESSORIES



**GAR 171** (3 x 170, 186, 205, 222, 245)
**GAR 172** (4 x 275, 285)
**GAR 173** (5 x 225, 286, 335)






**GAR 172**



**GAR 124**
Space for GAR 112




**GAR 161** 22,5"-18° FISCHER (Europa)
**GAR 162** 20"-28° DAYTON (USA)
**GAR 163** 24"-28° DAYTON (USA)

# BALANCER ACCESSORIES

## AUTOMOTIVE BALANCER ACCESSORIES



Plastic Caliper & Pilers



**GAR102**
Quick clamp for cars



**GAR124 Light Truck**
Cone & Spacer kit



**GAR111** (Ø 1.73" - 4.09")
Car



**GAR 112** (Ø 3.74" - 4.88")
Off-road vehicles



**GAR 113** (Ø 4.64" - 6.85")
Vans and light trucks



**GAR132**
Precision flange






**GAR133** (→ GAR132)
Set of short stands




**GAR325 - WHEEL LIFT**
**GAR324 - NO GRAVITY WHEEL LIFT**
Automatic compensation of wheel weight.



**GAR112**
(Ø 95-124mm)
Off-road vehicles



**GAR131H**
Universal flange



**GAR 132**
Precision flange



**GAR322**
(→ GP4.140R, G4.140R)
Fixed laser





**GAR334 LASERHEAD**
Internal and external laser blade shows precise 12 o'clock position in dynamic mode.



**GAR 303**
Digital sensor for wheel width and eccentricity measurement



**GAR316**
(→ GAR 305)



**GAR315**
(→ GAR 307)

Ultrasound run out sensor




**VARGM19TS**
Touch screen version for G4 SERIES

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