



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

Ravaglioli

WHEEL BALANCERS



TOUCHSPIN
TECHNOLOGY

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



G

P7.340
scan

P7.340RS

4.140
scan

4.140RS

3.140RS

3.124HD

2.119HD

GTL

4.140RC

2.120RC



SINCE 1958



3D (or 4D) TOUCHSPINBALANCER

**MONITOR 19"
TOUCH SCREEN**

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

DOUBLE LED LIGHT



DOUBLE WHEEL STOP



AUTO
START



AUTOMATIC
STOP (OUT)



AUTO
START



AUTOMATIC
STOP (IN)

SOFTWARE GUIDED BALANCING



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

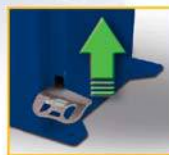
SPLIT program



SPOKE



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 accuracy	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



GAR 305

2 LASER POINTER



EXTERNAL POSITION



INTERNAL POSITION



**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

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.

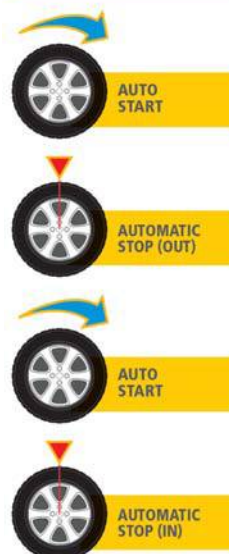


GP4.140RS

STANDARD EQUIPMENT

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

DOUBLE WHEEL STOP



AUTOMATIC LED LIGHTS



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 accuracy	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 kit.

AUTOMATIC DISTANCE + DIAMETER MEASUREMENT



Automatic storage of distance and diameter.

QUICK PROGRAM SELECTION



Quick selection with internal data gauge.

ALUS
ALUS1
ALUS2
STAT
STAT1
STAT2
DYNAMIC

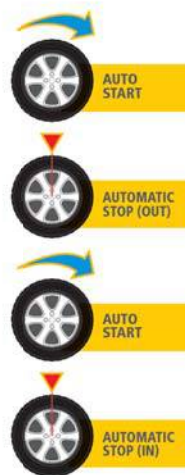
RUN OUT MEASUREMENT



Rim run-out measurement with internal data gauge.



G3.140R
Color monitor 19"
Industrial PC.



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



DYNAMIC



STATIC



ALU-S



3 Automatic ALU S programs.

SPOKE



Hidden weight program

TECHNICAL DATA

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

ELECTRONIC WHEEL BALANCER WITH MICROPROCESSOR

**DIGITAL
BALANCER**



G3.124HD
Version with air locking

**AUTOMATIC DISTANCE +
DIAMETER MEASUREMENT**



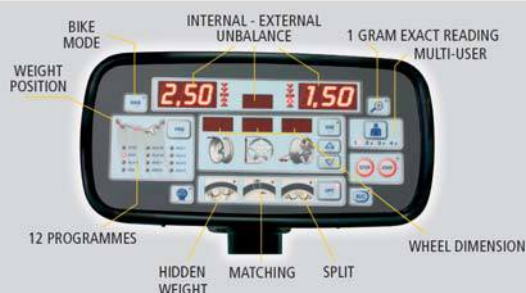
DIGITAL BALANCER G3.124HD

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 accuracy	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

**AUTOMATIC DISTANCE +
DIAMETER MEASUREMENT**



TECHNICAL DATA	
Rim diameter	10" - 30" / 10" - 26" (automatic)
Rim width	1,5" - 22"
Max. wheel weight	143 lbs
Read-out accuracy	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 accuracy Truck	5g - (0,17 oz)
Read-out accuracy 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



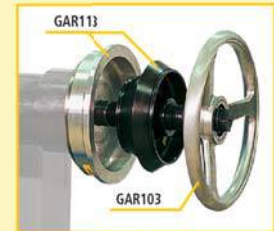
- Width measuring caliper
- Weight hammer



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 adaptors
- Calibration fixture included

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

LCD DISPLAY



5" x 1 1/2" Backlit graphic LCD display.

GTL2.120 - WHEEL AIR LOCK

An electro-pneumatic brake holds the wheel in position.



440 lbs



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 & Pliers



GAR102
Quick clamp for cars



GAR124 Light Truck
Cone & Spacer kit



GAR132
Precision flange



GAR133 (→ GAR132)
Set of short stands



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



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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