



Ravaglioli

COMPANY WITH QUALITY MANAGEMENT
SYSTEMS CERTIFIED BY DNV
=ISO 9001/2008=

TOTAL DRIVE WHEEL ALIGNER

RAV
TD
2200WS

TD2200WS (8CCD) BLUETOOTH

Top of the range model.

Wireless data transfer using state of the art Bluetooth technology for speed and reliability. Eight CCD optics deliver additional collision angles helpful during diagnosis of chassis. System is highly mobile and can be positioned anywhere in the workshop. Patented non-runout Fast Clamps provide the ultimate in accuracy, speed, and versatility. Guarantee of precision accuracy furnished by Ravaglioli.



Bluetooth®



SINCE 1958



Complete Set Up and Measuring in Less than 3 Minutes!



1 Install Non-Runout Fast Clamps and Sensors



2 Conduct 10 Second Turning Routine

3 Complete Measurements Completed for Both Axles



22" LCD monitor on high riser

A useful cover can be opened and closed easily to protect the keyboard.

Special supports to house the measuring heads and recharge the batteries.

The paper-exit opening permits using the printer with the drawer closed, thereby providing total protection against damage and pollution.

Drawer to store clamps and accessories.

Simple 5 button operation. System can be controlled from any sensor head as well as from the console.



REMOTE CONTROL

Keyboard with remote-control function.

NO BROKEN BEAMS

Operator is not hindered by broken beams while adjusting the front axle of the vehicle.



8 lb.

Pin mounted on bearing.
Contacts for battery charging.



REMOTE INDICATOR

LED's indicate if the angle is within specification without viewing the screen.

NON-RUNOUT



Patented Fast Clamps built to exacting standards give the operator the choice to skip the runout compensation procedure.

ROLLING RUN OUT



It is possible to measure wheel run out by moving the vehicle by only 30° (quick compensation in a little space)* without lifting the vehicle.

RAISED RUNOUT



System also allows for the choice of vehicle raised for run out compensation procedure.

EASY DATA



Windows managed data bank contains over 90,000 vehicles. Customer data bank for storing alignment reports with search by customer name or vehicle plate number.

QUICK SELECT



Selection of vehicle by entering model or partial V.I.N. number.

EASY UPDATES



Easily updateable by internet or USB Key. Save and restore customer data using a common USB key.

EASY ALIGNMENT



Easy to use adjustment graphics guide the operator to fast and precise settings.

3D ANIMATION



Operator instructions are shown using animated graphics.

MOVIE PROGRAM



Over 500 adjustment movies, images, and drawings to assist the operator for a correct adjustment of the vehicle.

SPOILER PROGRAM



Automatic spoiler program is activated if measuring path is blocked on one end of vehicle. Manual spoiler program is activated if measuring path is blocked on both ends.

QUICK DIAGNOSTIC



Instant measurements of axle set back, wheel base difference and track width highlight errors in the vehicle's body and chassis symmetry.

DYNAMIC SPECIFICATIONS



The data base automatically modifies the alignment specifications when chassis ride height is entered.



STANDARD

All included

- Premium cabinet/control console with PC, 22" monitor, printer, and charger.
- Four - CCD Bluetooth wireless measuring heads
- Four - STDA96 Non-Runout Fast Clamps
- Twelve - STDA39 Plastic rim pegs
- Twelve - 14000AA Lipless rim adapters
- Six - STDA42 extension pegs
- One - STDA42 extension pegs
- One - brake pedal depressor
- One - steering wheel lock
- Instruction manual on CD
- FREE TECH ASSISTANCE VIA PHONE AND INTERNET



Premium cabinet



Brake pedal depressor & steering wheel lock



TDA42 extension pegs

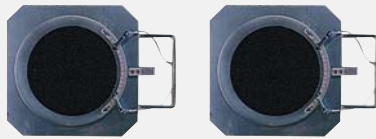


CCD Bluetooth wireless measuring heads



Instruction manual on CD

OPTIONAL



S110A7 Turn Plates

Turntables: Diameter 12.35 in.
Capacity 2000 lb. each

R.M.S. - Remote Measuring Devices



STDA23/C

STDA24/C

RAV Alignment Wheel Adaptors
A System is Only as Accurate
as its Reference.

- STANDARD: STDA96 Premium Non-Runout Fast Clamp 12-24"



- OPTIONAL: STDA 33EU 4 point self-centering with removable claws



- OPTIONAL: Mercedes, BMW, Smart-Specific OEM wheel adaptors



- OPTIONAL: Porche – for Porche rims with quick lock device



Accuracy and Measuring Range

TECHNICAL FEATURES	ACCURACY	MEASURING RANGE	TOTAL MEASURING RANGE
Total toe	+/- 2'	+/- 2°	+/- 20°
Partial toe	+/- 1'	+/- 1°	+/- 20°
Set-back	+/- 2'	+/- 2°	+/- 5°
Camber	+/- 2'	+/- 3°	+/- 10°
Caster	+/- 5'	+/- 10°	+/- 18°
King-pin	+/- 5'	+/- 10°	+/- 18°
Thrust angle	+/- 2'	+/- 2°	+/- 5°

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