



# Ravaglioli

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

WHEEL ALIGNMENT  
SYSTEM

**VISTAR**  
3DT® Target Alignment



RAV  
TD

3000  
HP

2200  
WS

1760  
WS



SINCE 1958

**Bluetooth®**  
*Wireless*

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



# TOWER-FREE 3D Alignment System



Monitor 22"

TD3000HP.B

### QUICK BATTERY CHANGE



### EASY UNDER VEHICLE READING



### LED REPEATER

Guided adjustments with no need to see the monitor.

### MEGAPIXEL HIGH RESOLUTION CAMERAS

#### EXTREMELY FAST: NO COMPENSATION REQUIRED

Exclusive 3D targets:  
- no need for run out compensation  
- extremely light  
- no electronic components inside  
- no maintenance required.

PATENT PENDING



2,5 lbs

### 3DT® TARGET (Solid Vision Technology)

**Bluetooth®**  
Bluetooth transmission between measuring heads and control unit.

### ALIGNMENT READING IN 8"

**TOWER-FREE**



### 3 POINT + QUICK LOCKING

PATENT PENDING



### FASTEST SETUP

Pair of self-centering 3 point clamps, with quick locking units and ABS claws. Equipped with quick claws approach device.



8"-24"



480-760 mm  
(19"-36")

### LIFT LEVEL COMPENSATION



Can be used on any 4 post or scissors lift. Automatic lift level compensation.



Standard supports

### MOBILE AND SAFE



8 lbs

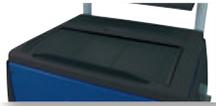
Quick clamp to the lift. Pivoting support to avoid damage with obstacles while lowering.

### QUICK CONTROL



QC2R (Quick Control 2 Reverse) allows to quickly diagnose front axle angles: total toe and camber. After measurement the user will decide whether to carry on with alignment operation and vehicle adjustment.

Option: STDA 3D/QC



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



TD2200WS

Infra-red transmission among measuring heads.  
Bluetooth transmission between front measuring heads and control unit. Equipped with TFT colour monitor.  
Data Bluetooth transmission allows maximum mobility between different working positions, thanks to the absence of cables and any fix structure.

### SAFE PRINT

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

### QUICK CHARGE

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

### DRAWER

Drawer to store clamps and accessories.

### WHEELED CONTROL UNIT

The wheeled control unit houses computer, printer and monitor.

Power supplied by long-life rechargeable batteries.

Infra-red data transmission particularly good even in difficult lighting conditions.



TD1760WS



8 Sensors

Pin mounted on bearing (TD2200WS only)

Contacts for battery charging

Synoptic LED signal repeaters on each measuring head.

### LED REPEATER



6 Sensors

### DIGITAL DISPLAY

Sensor level and battery charge indication on digital display.



### REMOTE CONTROL

Keyboard with remote-control function.

### SmartPhone REMOTE CONTROL



Model	TD 3000HPB	TD 2200WS	TD 1760WS
DIGITAL DISPLAY	✓	✓	○
REMOTE CONTROL	✓	✓	✓
LED REPEATER	✓	✓	✓
24" ZERO RUNOUT fast clamps	✓	✓	○
QUICK CONTROL SOFTWARE	✓	✓	✓
VIN DATABASE	○	○	○
SmartPhone REMOTE CONTROL	○	○	○

STANDARD     OPTIONS

### EASY DATA



### EASY ALIGNMENT



### 3D ANIMATION



### 3D INFO





# CAR ALIGNMENT ACCESSORIES

Top product  
Made in Italy



## 4 point

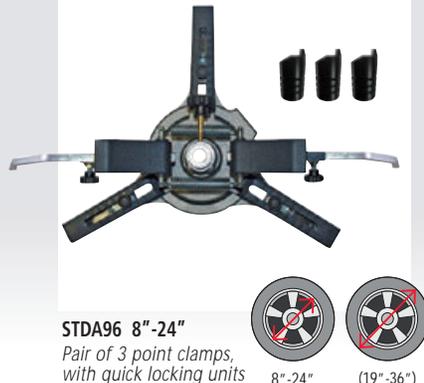


**STDA33EU 10"-24"**

Pair of self-centering 4 point clamps, with removable claws.

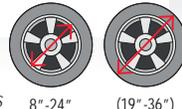


## 3 point + quick lock



**STDA96 8"-24"**

Pair of 3 point clamps, with quick locking units and ABS claws.



## 3 point + quick locking premium



**STDA35E 8"-24"**

Pair of self-centering 3 point clamps, with quick locking units and ABS claws. Equipped with quick claws approach device.



## METAL



**STDA40**  
8 x 33 mm (1.3")  
→ STDA33EU (standard)  
STDA35E-95E (option)  
Metal claws.



Standard STDA40 compared to STDA136



**STDA136** - 8 x kit  
→ STDA33EU  
**Run-Out Compensation Required**  
Set of steel claws for low profile tyres.



**STDA41** - 8 x 55 mm (2.2")  
→ STDA33EU-35E-95E-84E (option)  
Long metal claws for vans.



**STDA42** - 6 x 55 mm (2.2")  
→ STDA33EU-35E-95E (option)  
Extensions for metal claws for protruding hubs.



**STDA100** Ø from (27") to (36")  
**STDA101** Ø from (34") to (44")  
(→ STDA35E-95E)  
Set of 4 clamping arms



**STDA38** Ø from (19") to (30")  
(→ STDA33EU)  
Couple of quick-locking arms for upgrade



**STDA72** - 6 x extensions from 24" to 28"  
(→ STDA35E-95E)  
Extension kit for a pair of 3 point clamps.

## ABS Plastic



**STDA39** - 8 x kit  
→ STDA46EU-48E-35E-95E-84E  
ABS conic claws for quick lock clamps.

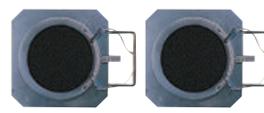


**STDA94** - 8 x kit  
→ STDA46EU-48E-35E-95E-84E  
Low depth ABS claws.

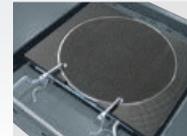


**STDA131** - 8 x kit  
→ STDA46EU-48E-35E-95E-84E  
Volkswagen ABS claws.

## Turntables



**S110A7** - Ø 310 mm (12.2")  
(2x2200lbs) Turntables

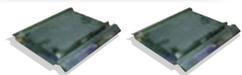


**STDA124** - Ø 360 mm (14.1")  
(2x2200lbs) 3D Turntables

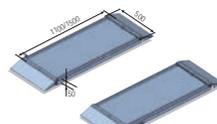


**STDA3D/QC**  
(2 x kit)  
Quick control standard

## Sliding plates



**S110A2** - 11" x 13" x 1,5"  
Pair of sliding plates for rear wheels.



**STDA16** - 43,5 x 20 x 2 mm  
**STDA17** - 59 x 20 x 2 mm

## Calibration



**STDA14**  
Calibration kit for CCD



**STDA133**  
Calibration kit for VISTAR



RAV Equipment U.S.A.  
+1.703.887.0095  
rav@ravaglioli.com

INTERNATIONAL  
Ravaglioli S.p.A.  
40037 Sasso Marconi  
Fraz. Pontecchio M.  
P.O.B. 1690 - Bologna - Italia  
Tel. +39 - 051 - 6781511  
Fax +39 - 051 - 846349  
rav@ravaglioli.com  
www.ravaglioli.com



RAV Equipment U.S.A.

Distributed by

AETechnologies, Inc.  
1082 Schoolhouse Rd.  
Harveys Lake, Pa, 18618  
1 877 RING AET  
aetechnologiesinc.com

Edition 002