



**ROTARY**  
WHEEL SERVICE EQUIPMENT



**WHEEL ALIGNMENT SYSTEMS**



# 1080 BAYSAVER 3D



HIGH PERFORMANCE  
WHEEL ALIGNER



22" Monitor

EXCLUSIVE  
**Solid Vision** TECHNOLOGY

## R1080 SPEED

*Portable aligner console can be positioned anywhere for the ultimate convenience.*

*Maximize available workspace without OBSTACLES or OBSTRUCTIONS!*

***NO MINIMUM BAY SIZE REQUIRED!***

**Equipped with fixed cameras, tire grabbing clamps and remote controlled sensors.**

*Remote control located on each sensor*

*Automatic positioning of the cameras*

*Automatic recognition of the targets*

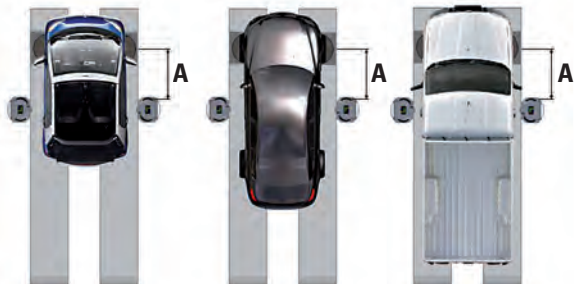


Bluetooth<sup>®</sup>  
Bluetooth transmission  
between measuring  
heads and control unit.

## FIXED CAMERAS

### POSITION A

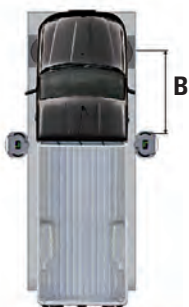
Measurement of vehicles up to 170"  
(4300 mm) wheelbase.



### POSITION B

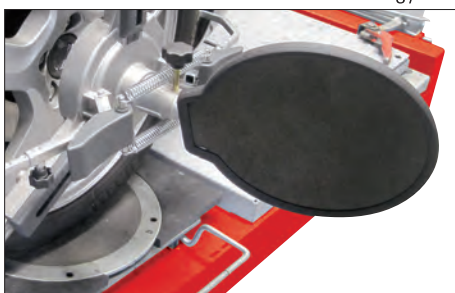
Measurement of vehicles up to 185"  
(4700 mm) wheelbase:

Move forward the turntables or  
mount the sensors in the second  
set of supports (optional)



## PATENT PENDING

**3DT<sup>®</sup> TARGET** Solid Vision Technology



**EXTREMELY FAST:**  
**NO ROLL-BACK COMPENSATION REQUIRED!**

**Exclusive 3D targets:**

- No need for run out compensation
- Extremely light
- No electronic components inside
- No maintenance required

## PATENT PENDING

**3 POINT + QUICK LOCKING**



### QUICK SETUP

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

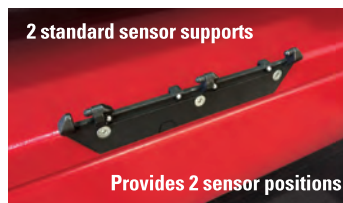


## MOBILE and SAFE

Quick clamp to the lift with pivoting support.  
Avoid damage with obstacles while lowering.

Compact and adjustable, the base of  
the sensor can be fixed outward by 2.5"  
(65mm) in case of extra large vehicles.

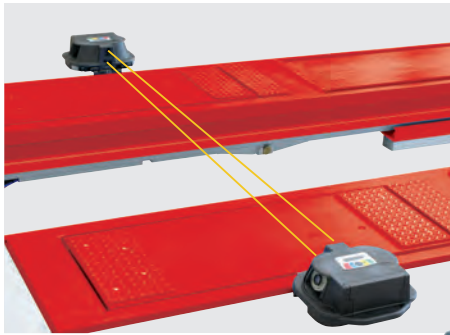
2 standard sensor supports



Provides 2 sensor positions



## LIFT LEVEL COMPENSATION

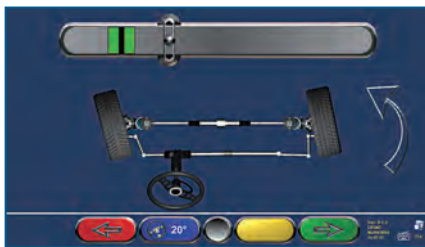


*With this feature, the system can be used on any 4 post or scissor lift.*

**ALIGNMENT  
READINGS IN  
*EIGHT  
SECONDS!***

**Bluetooth®**

Bluetooth transmission between measuring heads and control unit.



**STEERING *NO ADAPTER REQUIRED***

## HIGH RESOLUTION CAMERAS

**GREEN LED:** battery under charge/external powering

**RED LED:** detector on

**DISPLAY:** battery level

### DIGITAL DISPLAY



### REMOTE CONTROL



Keyboard with remote-control function.

## ***PRECISION* TARGET READING**



### LED FRONT



Camber/Caster

Toe

### LED REAR



Camber

Toe

### LED REPEATER



***EASY UNDER  
VEHICLE READING***

Guided adjustments with no need to see the monitor.



### **QUICK BATTERY CHANGE**

Convenient charging station on console unit. For fixed or mobile installation.

# TRADITIONAL 3D WHEEL ALIGNER

# VS

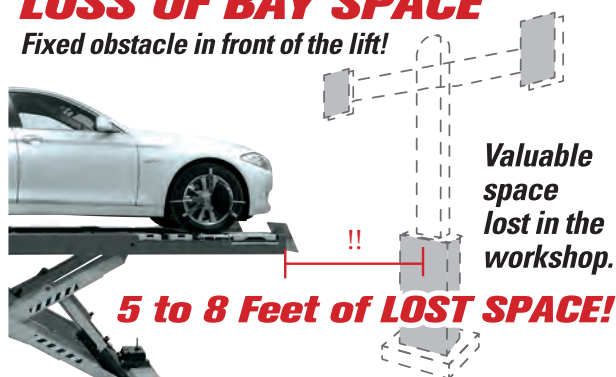


# 1080

# PROFESSIONAL WHEEL ALIGNER

## LOSS OF BAY SPACE

*Fixed obstacle in front of the lift!*



*Valuable  
space  
lost in the  
workshop.*

**5 to 8 Feet of LOST SPACE!**

## R1080 SPEED

**NO OBSTACLES  
or OBSTRUCTION**

Portable aligner console  
can be positioned anywhere  
for ultimate convenience.

**TOWER FREE!**

*Maximizes available workspace.*



**NO MINIMUM BAY SIZE REQUIRED!**

## PHYSICAL EFFORT!

*Requires vehicle  
to be pushed  
back and forth  
to produce  
measurements.*



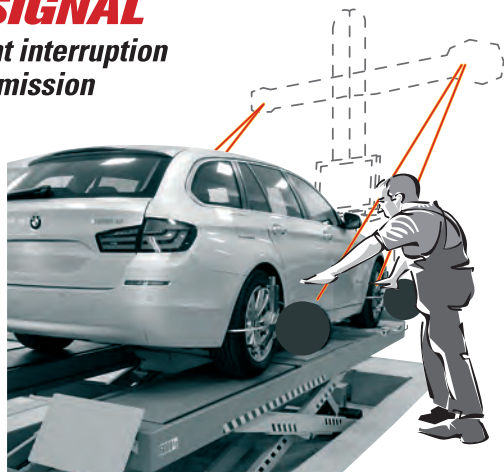
## NO COMPENSATION or ROLL BACK

No rolling or pushing of the vehicle to make runout compensation.  
Automatic and instant 3D target visualization.



## NO SIGNAL

*Frequent interruption  
of transmission  
signal.*



## NO INTERRUPTIONS

Perfect transmission signal. Always.



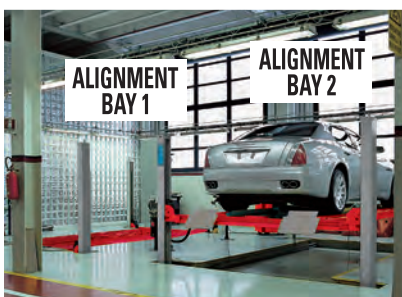
## ONE LIFT AND ONE HEIGHT ONLY

*One working height only.*

*Limited to use in only  
one alignment bay.*



## NO LIMITATIONS



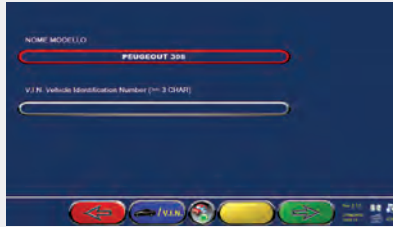
**Can be used  
at any height!**

Use the aligner in  
more than one bay  
location with  
optional required  
sensor supports.

**STDA117** (2 x support kit)



## EASY VEHICLE SELECTION



Quick entering of vehicle by model or V.I.N. number.



Summary and comparison of diagnosis / repair values on a single screen.



## EASY DATA



- Data management and display program in WINDOWS environment
- Data bank with more than 90,000 vehicle data sheets
- Further data sheets can be added by the user
- Customer data bank for recording 20,000 jobs with search by customer name or vehicle plate number

## EASY ALIGNMENT



## ANIMATED INSTRUCTIONS



## 3D ANIMATION



## RUN OUT COMPENSATION WHEN REQUIRED



Ø 20" to 6" / Ø 24" to 7" / Ø 27" to 8" / Ø 31" to 9"  
 Ø 500mm to 150mm / Ø 600mm to 170mm  
 Ø 700mm to 200mm / Ø 800mm to 230mm

## EASY UPDATE

SMART CARD for quick data bank update.  
 USB KEY to save and restore customer data.



## STANDARD EQUIPMENT

- 1 control unit with PC, monitor, keyboard, printer
- 2 measuring heads
- 4 clamps with target
- 1 brake pedal depressor
- 1 steering wheel lock
- Instruction manual on USB flash drive



**STDA117**  
 2 x sensor supports kit

## OPTIONAL EQUIPMENT



**STDA3D/QC**  
 2 x stands kit



**Turning Radius Gauge**  
**Model# S130205** (1 gauge)  
 1.5" tall stainless steel radius gauge

**STDA 128 2X battery set**

TECHNICAL DATA	ACCURACY	MEASURING RANGE	TOTAL RANGE
<b>FRONT AXLE</b>			
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°
<b>REAR AXLE</b>			
Total toe	+ / - 2'	+ / - 2°	+ / - 20°
Partial toe	+ / - 1'	+ / - 1°	+ / - 20°
Set-back	+ / - 2'	+ / - 2°	+ / - 5°
Camber	+ / - 2'	+ / - 3°	+ / - 10°
Thrust angle	+ / - 2'	+ / - 2°	+ / - 5°
Power supply	110v / 10 / 60 Hz		



# 1070 PROCCD

## 19" MONITOR

The wheeled control unit houses computer, printer and monitor. Cabinet stores clamps and accessories.

R1070



Bluetooth transmission between measuring heads and control unit.



## SAFE PRINT

Safe use of printer with closed drawer.

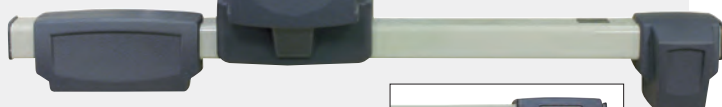
## QUICK CHARGE

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



**KEYBOARD**  
with remote-control function.

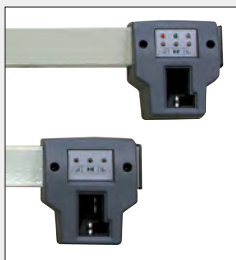
Power supplied by long-life rechargeable batteries.



Infra-red data transmission works well even in difficult lighting conditions.

## LED REPEATER

Synoptic LED signal repeaters on each measuring head.



## TOTAL DRIVE, AUTOMOTIVE and LIGHT TRUCK WHEEL ALIGNER

The 1070 wireless aligner displays programs and data in easy to use 3D graphics. Simply access programs by selecting 5 command keys that guide user step by step in the measuring process. Equipped with a powerful PC, an A4 printer and mobile cabinet for attaching and charging wheel clamps.

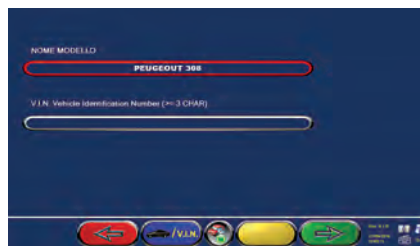
## R1070 SPEED

### 8-CCD sensor wheel alignment system

Infra-red transmission among measuring heads. Bluetooth transmission between front measuring heads and control unit.

**Portable - position aligner console anywhere for the ultimate convenience.**

**Maximize available workspace without OBSTACLES or OBSTRUCTIONS!**



## EASY FIND

Quick entering of vehicle by model or V.I.N. number



## 10° / 20° CCD STEERING ACKERMANN

The steering procedure is carried out electronically, through the CCD sensors, so caster and king pin are measured with great precision.



## VEHICLE SPOILER PROGRAM

The Spoiler Program is automatically activated to perform the measurements on sport and tuned car bodies through a simplified procedure.



## QUICK RUN OUT



It is possible to measure wheel run out by moving the vehicle by only 30° (quick compensation in a small space)

Ø 20" to 6" / Ø 24" to 7" / Ø 27" to 8" / Ø 31" to 9"

Ø 500mm to 150mm / Ø 600mm to 170mm

Ø 700mm to 200mm / Ø 800mm to 230mm

## 3D ANIMATION



User's instructions by animated graphics.

## 3D INFO



Precise display of the adjustment points.

## EASY DATA



## EASY ALIGNMENT



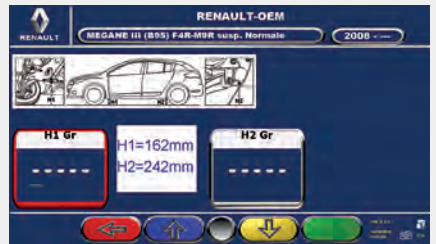
- Data management and display program in WINDOWS environment
- Data bank with more than 90,000 vehicle data sheets
- Further data sheets can be added by the user
- Customer data bank for recording 20,000 jobs with search by customer name or vehicle plate number

## QUICK DIAGNOSTIC



The quick measurement of axle set back, wheelbase and track-width, may highlight any errors in the vehicles body and chassis symmetry.

## DYNAMIC DATA BANK



The data bank automatically modifies the alignment specifications based on chassis height.

## EASY UPDATE

SMART CARD for quick data bank update. USB KEY to save and restore customer data.

TECHNICAL DATA	ACCURACY	MEASURING RANGE	TOTAL RANGE
<b>FRONT AXLE</b>			
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°
<b>REAR AXLE</b>			
Total toe	+ / - 2'	+ / - 2°	+ / - 20°
Partial toe	+ / - 1'	+ / - 1°	+ / - 20°
Set-back	+ / - 2'	+ / - 2°	+ / - 5°
Camber	+ / - 2'	+ / - 3°	+ / - 10°
Thrust angle	+ / - 2'	+ / - 2°	+ / - 5°
Power supply	110v / 1Ø / 60 Hz		

## STANDARD EQUIPMENT

- 1 control unit with PC, 19" monitor, keyboard, printer and battery charger
- 2 front measuring heads
- 2 rear measuring heads
- 2 pair of STDA35E three point clamps
- 1 brake pedal depressor
- 1 steering wheel lock
- Instruction manual on USB flash drive



### STDA35E 8" - 24"

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



# 1060 CCD SHOP

19" MONITOR

## TOTAL DRIVE ALIGNER **WIRELESS EFFICIENCY**

*All the characteristic angles of both vehicle axles are controlled by means of four measuring heads with 8 CCD sensors and infra-red transmission.*

### **Multi-axle 8-CCD sensor system**

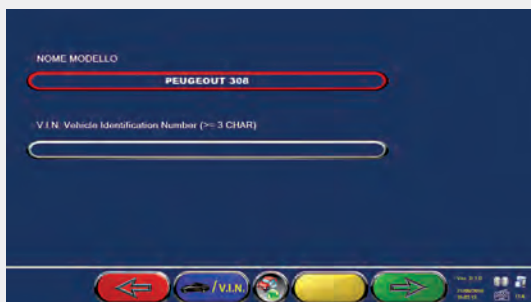
The wheeled control unit houses computer, printer and battery charger. Open cabinet stores clamps and accessories.

 Bluetooth®  
R1060

*Portable aligner console can be positioned anywhere for the ultimate in shop convenience.*



## EASY DATA



- Data management and display program in WINDOWS environment
- Data bank with more that 90,000 vehicle data sheets
- Customer data bank for recording 20,000 jobs with search by customer name or vehicle plate number

## STANDARD EQUIPMENT

- 1 control unit with PC, 19" monitor, keyboard, printer and battery charger
- 2 front measuring heads
- 2 rear measuring heads
- STDA33EU four point clamps
- 1 brake pedal depressor
- 1 steering wheel lock
- Instruction manual on USB flash drive



**STDA33EU 10" - 24"**  
Pair of self-centering 4 point clamps, with removable claws.

## QUICK RUN OUT



It is possible to measure wheel run out by moving the vehicle by only 30° (quick compensation in a small space)

Ø 20" to 6" / Ø 24" to 7" / Ø 27" to 8" / Ø 31" to 9"  
Ø 500mm to 150mm / Ø 600mm to 170mm  
Ø 700mm to 200mm / Ø 800mm to 230mm

## VEHICLE SPOILER PROGRAM

The Spoiler Program is automatically activated to perform the measurements on sport and tuned car bodies through a simplified procedure.



TECHNICAL DATA	ACCURACY	MEASURING RANGE	TOTAL RANGE
<b>FRONT AXLE</b>			
Total toe	+ / - 3'	+ / - 2°	+ / - 20°
Partial toe	+ / - 1' 30"	+ / - 1°	+ / - 20°
Set-back	+ / - 2'	+ / - 2°	+ / - 5°
Camber	+ / - 2'	+ / - 3°	+ / - 10°
Caster	+ / - 5'	+ / - 10°	+ / - 18°
King pin	+ / - 5'	+ / - 10°	+ / - 18°
<b>REAR AXLE</b>			
Total toe	+ / - 3'	+ / - 2°	+ / - 20°
Partial toe	+ / - 1' 30"	+ / - 1°	+ / - 20°
Set-back	+ / - 2'	+ / - 2°	+ / - 5°
Camber	+ / - 2'	+ / - 3°	+ / - 10°
Thrust angle	+ / - 2'	+ / - 2°	+ / - 5°
Power supply	110v / 1Ø / 60 Hz		



# 5000HD CTA PRO

## COMMERCIAL TRUCK ALIGNER **R5000 SPEED AND EFFICIENCY**

*See significantly higher income production with much faster operating times without any loss of accuracy.*

*Simple system to learn with far less training time.*

Suited for larger commercial vehicles, the double inclometer allows caster adjustment without steering.

### **6-CCD sensor wheel alignment system**

Infra-red transmission among measuring heads. Bluetooth transmission between front measuring heads and control unit.

*Maximize available workspace without OBSTACLES or OBSTRUCTIONS!*

*Portable aligner console can be conveniently positioned anywhere in available bay space.*



**UNIVERSAL USE** Floor, pit or lift



**STANDARD FAST CLAMPS**  
*No run-out compensation needed*  
*30" tire diameter minimum*

### **OPTIONAL APPLICATIONS**

**TRAILER ALIGNMENT** Up to 8 axles



**TRUCK TRAILER ALIGNMENT FIXTURE**  
#STDA49N

**CCD CALIBRATION KIT**  
#STDA14



**19" Monitor**

The wheeled control unit houses computer, printer and monitor. Cabinet stores clamps and accessories.

### **Bluetooth®**

Bluetooth transmission between front measuring heads and control unit.

Special side supports allow housing and recharging of the measuring head batteries.

**R5000HD**

Cabinet opens to store accessories.

Large casters for easy movement inside the workshop.



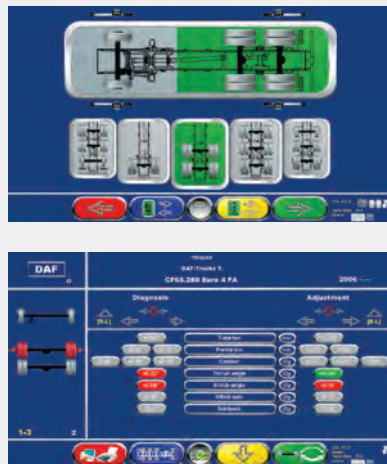
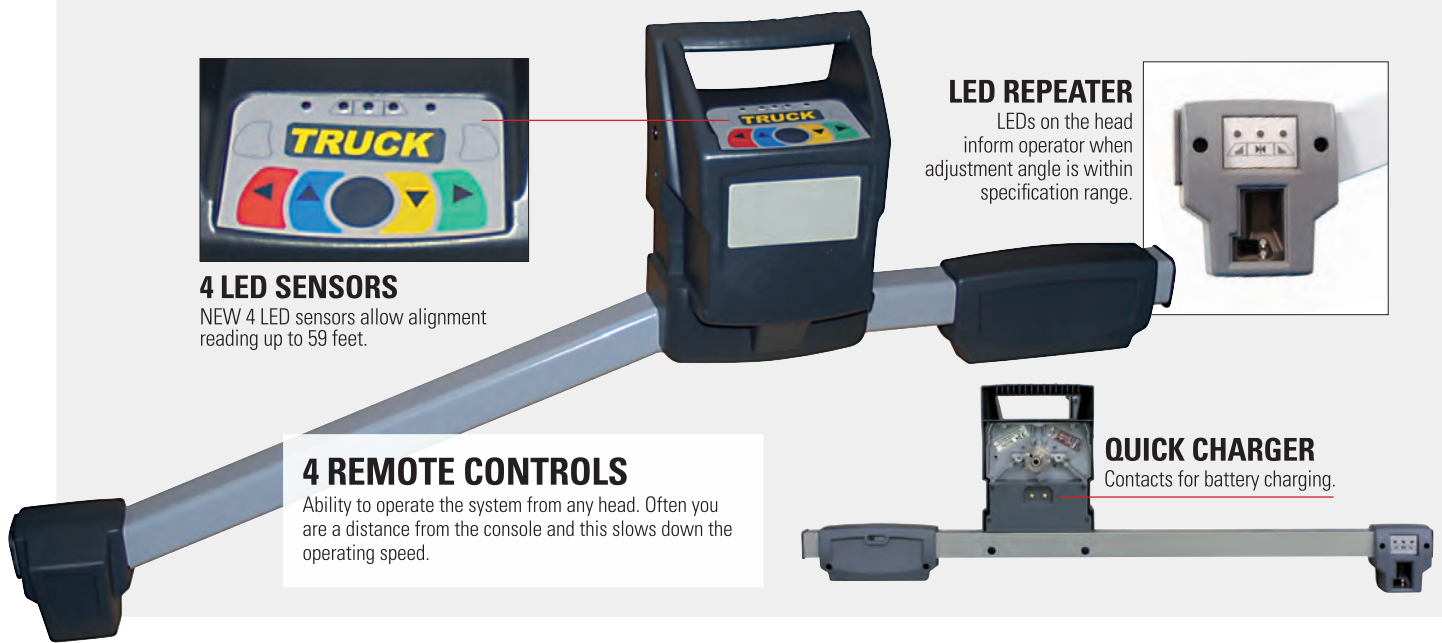
The paper-exit opening allows using the printer with the drawer closed.



### **TWSR SENSORS** **BUS and TRUCK APPLICATION**

Front heads have extended drop-down sensor frame.

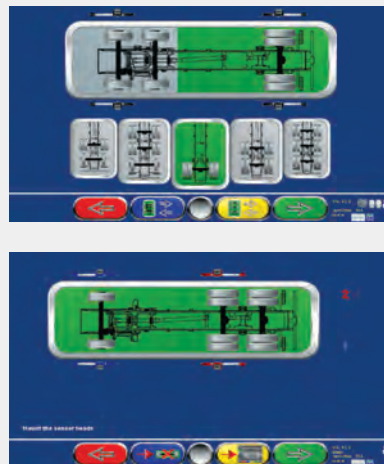




## DATA MANAGEMENT

- Data bank with vehicle data sheets already entered and further blank sheets to be filled.
- Customer data bank for recording jobs with search by customer name or vehicle plate number.

Summary and comparison of diagnosis/repair values on a single screen.



Measurement of multiple axes vehicles thanks to an extremely easy-to-follow procedure.

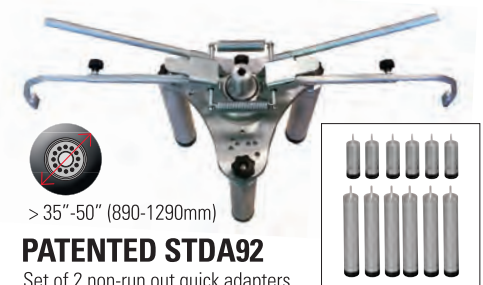
## User's instructions with animated graphics for immediate operation.



TECHNICAL DATA	ACCURACY	MEASURING RANGE	TOTAL RANGE
<b>FRONT AXLE</b>			
Total toe	+ / - 2'	+ / - 2°	+ / - 20°
Partial toe	+ / - 1'	+ / - 1°	+ / - 2° 30'
Set-back	+ / - 2'	+ / - 2°	+ / - 5°
Camber	+ / - 2'	+ / - 3°	+ / - 10°
Caster	+ / - 5'	+ / - 10°	+ / - 18°
King pin	+ / - 5'	+ / - 10°	+ / - 18°
<b>REAR AXLE</b>			
Total toe	+ / - 2'	+ / - 2°	+ / - 5°
Partial toe	+ / - 1'	+ / - 1°	+ / - 2° 30'
Set-back	+ / - 2'	+ / - 2°	+ / - 5°
Camber	+ / - 2'	+ / - 3°	+ / - 10°
Thrust angle	+ / - 2'	+ / - 2°	+ / - 5°
Power supply	110v / 1Ø / 60 Hz		

## STANDARD EQUIPMENT

- 1 control unit with PC, 19" monitor, keyboard, printer and battery charger
- 2 front and 2 rear measuring heads
- 2 HD front turnplates (STDA29L)
- 1 brake pedal depressor
- 1 steering clamp



***The name you've come to trust for  
lifting vehicles worldwide now offers  
the best wheel service equipment for  
your shop.***

Rotary didn't invent the wheel, but we sure know how to service it. Our line of wheel service equipment offers cutting-edge technology, productivity and safety features that every shop is looking for.

Providing the best service is about more than just know-how. It's about having the right equipment for the job. The go-to choice for shops of all sizes, Rotary's line of premium equipment is manufactured to the highest standards of quality and durability to help you perform the job right the first time, every time.

Offer your customers top  
quality tire and wheel  
service by putting Rotary to work for you.



**Rotary**

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For additional world wide contact information and a complete guide to our product offering, visit us on the web at [rotarylif.com](http://rotarylif.com).



Lit# Rotary Wheel Service Alignment Brochure.2018.10

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Rotary wheel aligners are manufactured using the following patents: US Patent No. 9.453.724.B2 / US Patent No. 9.300.864 B2

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**Assistance for Government Purchasing**

Rotary Lift offers assistance to help you make informed decisions when it comes to purchasing equipment.

For additional information and the statutes that pertain to your area, contact our **Government Sales Leader** at 800.445.5438 X5655 or visit us on the web at [rotarylif.com/Government-Purchasing-Assistance/](http://rotarylif.com/Government-Purchasing-Assistance/).

**Sourcwell**  
Formerly NJPA  
Contract No. 061015-RRL

**NASPO ValuePoint**  
formerly WSCA-NASPO  
Contract No. 05316