



Bluetooth
Bluetooth transmission between
measuring heads and control unit.

R1080PLUS

BAYSAVER 3D HIGH PERFORMANCE SYSTEM

EXCLUSIVE Solid Vision TECHNOLOGY

Equipped with fixed cameras and exclusive 3D targets, tire grabbing clamps and remote controlled sensors.

- Remote control located on each sensor
- Automatic positioning of the cameras and recognition of the targets
- ADAS ready - software for positioning the AUTEL ADAS calibration fixture is included

R1080PLUS SYSTEM ADVANTAGES

TOWER FREE SYSTEM Maximize available workspace.

Don't give up valuable bayspace in your shop. There is no required minimum distance in front of the lift.

NO MINIMUM BAY SIZE REQUIRED There are no fixed obstacles in front of lift.

Portable aligner console can be positioned anywhere for the ultimate convenience. Bluetooth communication between measuring heads and control unit maximizes workspace because it is free of obstructions.

NO COMPENSATION or ROLL BACK*

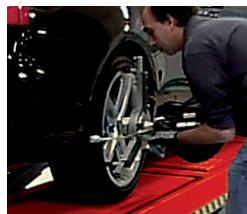
No physical rolling or pushing of the vehicle to make run-out compensation. Automatic and instant 3D target visualization.

*FOR MOST VEHICLES

NO INTERRUPTIONS Perfect transmission signals. Always.

NO LIMITATIONS Can be used at any height!

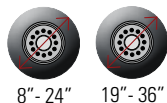
No need to dedicate bays for alignment service only. Use this portable system on any 4 post or scissor lift in more than one bay location.



INCLUDES 3 POINT + QUICK LOCKING TIRE CLAMPS

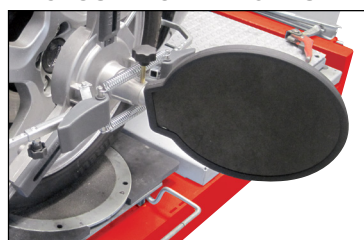
FAST SETUP with 2 pairs of self-centering 3 point tire clamps, with quick locking units and ABS claws.

PATENT PENDING



3DT® TARGETS Solid Vision Technology

EXTREMELY FAST EXCLUSIVE 3D TARGETS



PATENT PENDING

NO ROLL-BACK COMPENSATION REQUIRED!*

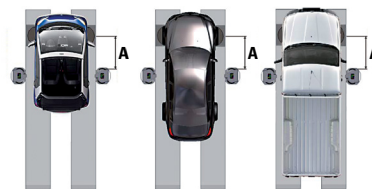
- Extremely light with no internal electronic components
- Built in leveling display
- Maintenance free

*FOR MOST VEHICLES

TWO POSITION MEASUREMENTS BETWEEN FIXED CAMERAS AND TARGETS

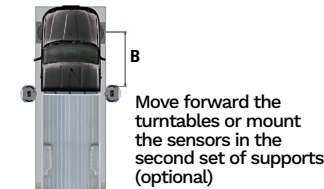
POSITION A

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



POSITION B

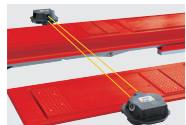
Measurement of vehicles up to 185" wheelbase (4700 mm)



R1080PLUS BAYSAVER 3D ALIGNMENT SYSTEM

PRECISION TARGET READING

HIGH RESOLUTION FIXED CAMERAS with AUTOMATIC LIFT LEVEL COMPENSATION



The system can be used on any runway lift with this camera feature.



CAMERA DIGITAL DISPLAY KEYBOARD with REMOTE CONTROL FUNCTION



LED FRONT / REAR READINGS

Reads camber/caster and toe measurements

LED REPEATER

Guided adjustments with no need to view monitor



EASY UNDER VEHICLE READING



ALIGNMENT READINGS IN SECONDS



No adapters required while obtaining caster readings



QUICK BATTERY CHANGE

Convenient charging station on cabinet unit top. Swap batteries without losing readings.

SENSOR SUPPORTS PROVIDE 2 POSITIONS ON RUNWAYS



Quick clamp to the lift with pivoting support. Avoid damage with obstacles while lowering. Adjustable sensor base can be fixed outward by 2.5" (65mm) for larger vehicles.

STANDARD EQUIPMENT

Wheeled control unit with PC, 22" monitor, keyboard, printer, mouse, mouse pad and automatic battery charger

- Wi-Fi dongle
- 2 measuring heads
- Extra battery set (2)
- 4, 3-point clamps with 3D solid state targets
- Clamping arms for 8"-24" & 19"-36" tires
- Set of 6 extensions for dually wheels
- Set of 16 ABS conic claws
- 1 brake pedal depressor
- 1 steering wheel lock
- Instruction manual on USB drive
- Runs on WINDOWS 10

EASY UPDATE SMART CARD

for quick data bank update. USB KEY to save and restore customer data. FREE 24 month specification updates.



OPTIONAL EQUIPMENT

STDA3D/QC

Kit of two stands for model R1080
For use with the R1080 Sensors as a Quick Alignment Check



#S130205 Turning Radius Gauge

Single 1.5" tall stainless steel radius gauge
No Pointer / 1-1/2" tall
4,500 lbs. (2,041kg) capacity
(2 required)



#S130237 Turning Radius Gauge

Single 1.5" tall stainless steel radius gauge
No Pointer / 1-11/16" tall
4,500 lbs. (2,041kg) capacity
(2 required)



#GBT44308BTK1

Cordless Barcode Scanner
Includes charging/communication base, and USB Cable



PROGRAM FEATURES



EASY VEHICLE SELECTION

Quick enter 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 with more than 90,000 vehicle data sheets
- Customer data bank for recording 20,000 jobs
- Can search by customer name or vehicle plate

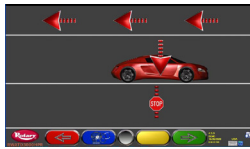


ANIMATED INSTRUCTIONS / 3D ANIMATION

User's instructions by animated graphics.



EASY ALIGNMENT



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



QUICK DIAGNOSTIC

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

R1080 services:



Optional equipment may be required

TOTAL MEASURING RANGE / R1080

TECHNICAL DATA	ACCURACY	MEASURING RANGE	TOTAL RANGE
FRONT AXLE			
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"
REAR AXLE			
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		



Lit# Rotary R1080 Aligner Cutsheet.2020.11

©2020 VEHICLE SERVICE GROUP™, Printed in U.S.A., All Rights Reserved. Unless otherwise indicated, ROTARY, VEHICLE SERVICE GROUP™, DOVER and all other trademarks are property of Dover Corporation and its affiliates.

Product specifications, part numbers, images and component descriptions are subject to change without notice or liability.

ROTARY WHEEL SERVICE EQUIPMENT now carries a 3 year warranty. See website for details.



SCAN CODE FOR
PRODUCT VIDEO