



Visualiner 3D²



EEWA532A

Power Requirements:

115V/1PH, 50/60Hz/8Amp
220V/1PH, 50/60Hz/8Amp

Vehicle Dimensions:

Track Width: 48"-96"
Wheel Base: 79"-200"
Tire Diameter: Outside Unlimited

Wheel Clamps

Wheel Sizes: 10"- 21"
Universal Rim Claws

Standard

Equipment

Display Monitor
19" UVGA Color

Base Cabinet

Premium Mobile Cabinet

CPU Configuration

2.2 GHZ + 128MB
CD/DVD Drive (Internal)
3 1/2" Floppy Drive
40GB Hard Drive
Network Capable
Multimedia

Printer

Color InkJet

Remote Controller

Infrared Pro32 Compatible

Measuring Heads

Axial Plane Camera
Measuring System*

Standard Accessories

Steering Wheel Holder
Brake Pedal Depressor
Remote Controller
Optical Mouse

Standard

Features

Alignment Software

Pro32 v3.4
Windows XP

Alignment Types

Total 4-Wheel
4-Wheel compensated
Front wheels only

Alignment Display

Front Readings
Rear Readings
All Readings
Zoom Readings
Ind. Camber Only
Ind. Toe Only
Ind. Caster Only

Measures

SAI
Thrust Angle
Included Angle
Front & Rear Set Back
Toe Out On Turns
Front Caster (-28° to +28°)
F&R Camber (-15° to +15°)
Front & Rear Toe

Operator Helps and

Customer Print outs
Adjust Camber Only
Elevated Adjustments
Active Cradle Adjustments
Drag Link Adjust
4-Wheel Steer Adjust
Rear Shim Programs
Driver Complaint Diagnostics
A/I Alignment Diagnostics
Adjustment Help Files
Demo/Teach Mode
User Login
Preventative Maintenance
E-Z Track Customer Data Base
Align Specs -30 yrs.
EZ Toe*
Elevated Positioning
Intuitive Caster Swing Meas.
Suspension Plus(Quadra-Link)
Mercedes Spec Meas.prog.
Wheel Dimension Program**
Roll Radius Meas.Prog.**
Cross Diagonal Meas.Prog.**
Ride Height Charting
Split Roll Positioning
Forward Roll Positioning
Pro Akerman & Symmetry
EZ-Access (wheels-off Adj.)
Additional Setups
Programmable Align Routine
Multiple Languages

Softwear Features

Vehicle Adjust 3-D Animations
Live Video Helps
Multiple A-Arm Adjust
Single Tie Rod Adjust
Caster Swing
Caster/SAI Swing on tt
SAI Swing Elevated
Toe Out on Turns
Max Turns
Windows Utilities
Imaging Data Diagnostics
PDF Operators Manual
Romess integration
Inspection Results Printouts
Shp Info Sys Connectivity (Mitchell Capable)
OEM Vehicle Wizzards
Shp Mgt Connectivity (I-Shop Compliant)
Frame Angle
Ford Bushing program
Equalized Toe Warning
Adj. Front before Rear Warning
Backup, Restore Setup/Calib.
Enhanced CCD Sensor Diag.
Live Vehicle Dimensioning
2-Wheel Alignment capable
Automated Ride Height Measuring
Graphical Caster Trail, Scrub Radius, SAI
Optional Equipment
Digital Remote Display
Front Rollback Kit
Standard Turnplates
Stainless Turnplates
Rear Slip Plates
Universal Wheel Clamps 10"-21"
Optional kit (Up to 25" wheels)
Electronic Frame Angle Meas.
Voice Align Option
Clearanced Rim Claws
EZ Access Hub Adapters

* Patented

WHEEL ALIGNMENT

ADVANCED IMAGING TECHNOLOGY V3D²



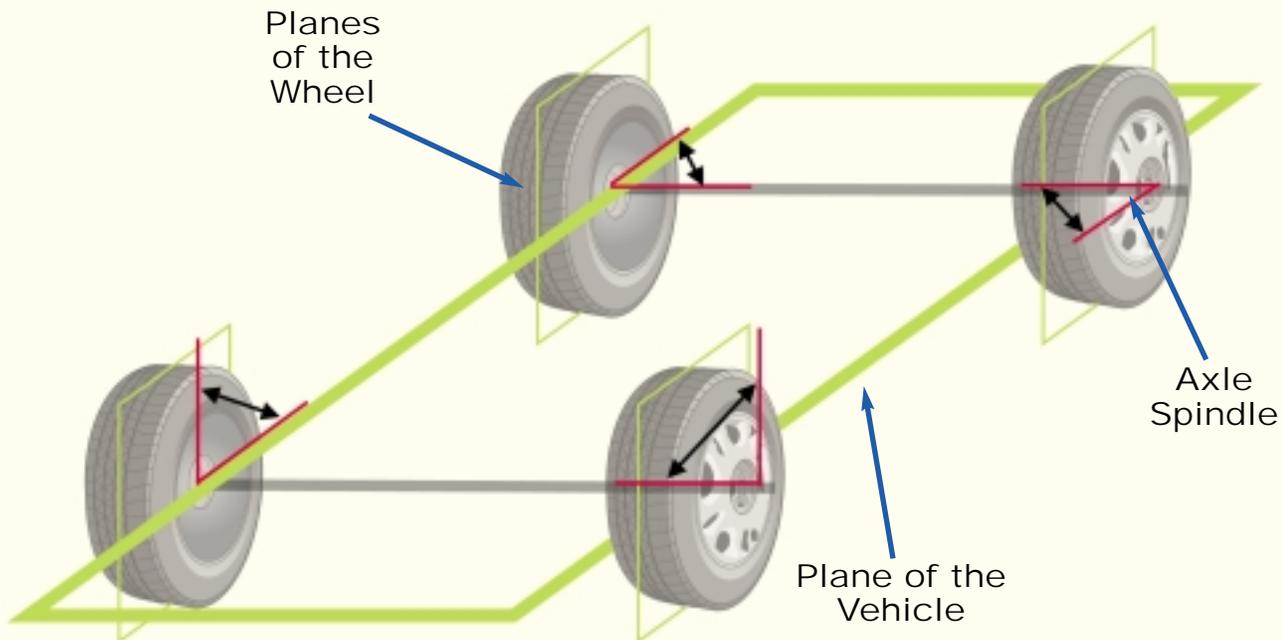
2ND TO NONE



For Reference Only
For Current Information See Johnbean.com

V3D IMAGING TECHNOLOGY

3-DIMENSIONAL MODELING



Using high resolution digital cameras and patented three dimensional modeling technology, the vertical planes of each of the vehicle's wheels as well as the plane of the vehicle itself are modeled. The vehicle's plane is modeled from the center points of each spindle axis where the wheels attach to the vehicle.

The geometric relationships of each individual wheel plane to each other and to the common vehicle plane determine the various measurements which form the basis for the vehicle's wheel alignment in three dimensions. The computer then compares these measurements to the car manufacturers' specifications and tells the operator which angles need to be adjusted and by how much.

This is done with live computerized modeling rather than gravity based measuring devices.

Older alignment technologies use electronic gravity sensors or targets that have to be leveled each time to determine the relationships of the planes of the wheels to surface or lift upon which the vehicle is sitting.

For this older technology to be accurate, one must assume that: the alignment lift or aligning surface is always level; the plane of the vehicle is then always 100% parallel to the "level" aligning surface; and that the sensors which are attached to the wheels are always in correct **calibration**. Such technology is very equipment and operator dependent requiring greater operator attention to detail and frequent calibrations for day in and day out quality and accuracy.

The V3D imaging technology offers easier, faster, and more accurate alignments under a much wider range of working conditions.

ONLY JOHN BEAN® TECHNOLOGY USES PATENTED 3-D IMAGE MODELING!

MOST ADVANCED SOFTWARE IN THE INDUSTRY

INTUITIVE PROGRAMMING

After beginning the alignment, the software is programmed to know what the operator is doing. It anticipates each step and prompts the operator to the next step without having to key in the specific next step that he would like the machine to do. This makes the alignment easier and faster.



If the operator stops turning the wheel after the basic caster swing, the machine concludes that this is all the operator wants to do and proceeds on to the measurement screen

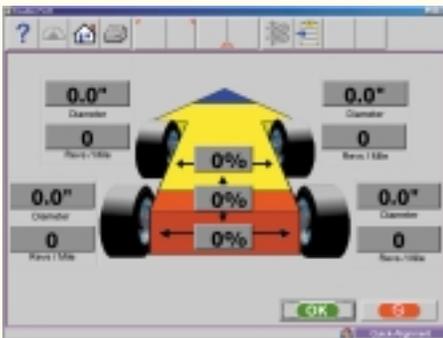


If the operator continues turning the wheel beyond this point, the machine knows that a toe-out-on turns measurement is desired and continues accordingly.



If operator still continues to turn the wheel, the machine knows that a full turn measurement (lock to lock) is wanted and continues on accordingly.

ADVANCED ALIGNMENT MEASUREMENTS



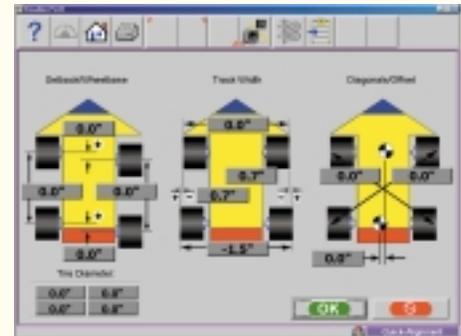
3-Dimensional modeling also generates very accurate distance measurements.

Roll Radius Measurements

Same size tires from different manufacturers may not always be the same size/diameter. This can cause steering pull which is nearly impossible to diagnose without this patent pending tire measuring feature.

Wheel Dimensioning Plus

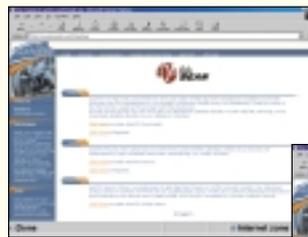
The V3D's 3-dimensional modeling software does spindle measurements: front and rear wheel setbacks, track widths, and cross diagonal measurements which will indicate when possible frame or unibody damage may exist and requires correction before a proper alignment can be done.



ONLINE SPECIFICATIONS

Downloadable software updates for your aligner.

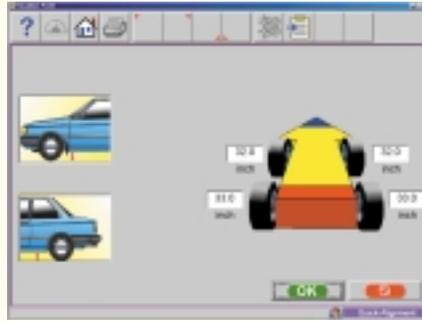
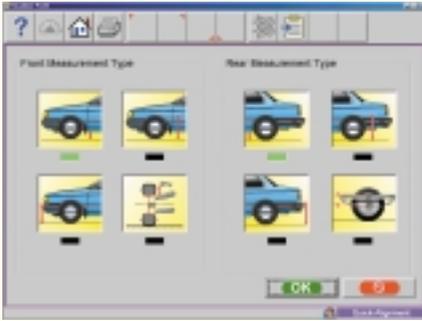
The John Bean® Worldwide Automotive Specifications Center is continually updating alignment specifications data bases. Whether it's a specific vehicle, a subscription specification service or for a periodic full data base download, the latest car manufacturer's specifications are always available online to John Bean Aligner owners via the built-in modem and included software.



On-Line Wheel Specifications
For Specialty Vehicles or Annual Updates*

*Optional Online Services

RIDE HEIGHT MEASUREMENTS

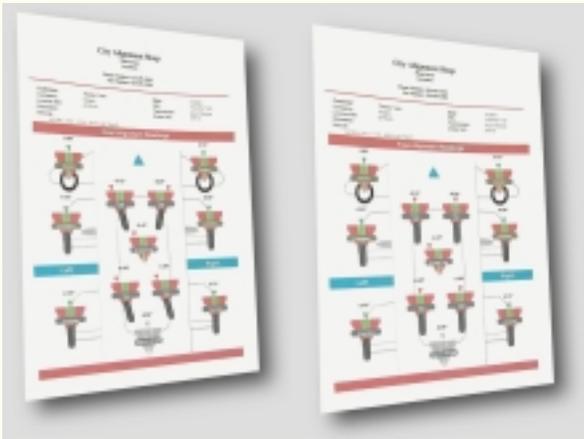


After selecting the manufacturer's recommended method for measuring ride height, actual ride heights can be measured and entered into the software for the specific vehicle being aligned. The vehicle's alignment specifications are then automatically modified to reflect the specific ride heights for the vehicle being aligned.

CUSTOMER PRINT OUTS

INITIAL

FINAL



The "Graphic Printout" shows your customers exactly what needs to be done to bring their vehicle into proper alignment.

GREAT SELLING TOOL!

The "Final" print out confirms that a quality alignment has been performed thereby increasing customer confidence.

OPTIONAL EQUIPMENT



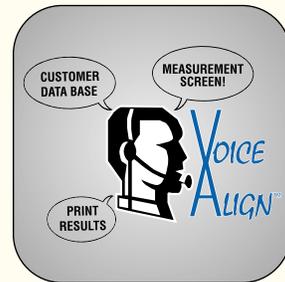
Roll Around Adjustment Chair



Stainless Steel Turntable & V3D Roll Back Kit



Remote Readout With 30' Cable



Voice Align™ (optional)

• All major alignment operation commands can be done verbally, eliminating manual data entries!

FLEXIBLE CAMERA MOUNTING OPTIONS



Multi-Level Camera Mounts

The multi-level camera mounts offer the maximum operator convenience. Once the initial measurements are recorded, they remain live at all working heights allowing the operator to make adjustments from floor level up to a full 65" off the ground. A drive-thru mount is designed for drive-thru bay installations.

Fixed Level Center Mounts

The camera boom can be installed at an optimum height for your technicians to perform alignments. There is about a 20-40" window that the vehicle can be raised or lowered to accommodate differing adjustment needs. The low center mount is used where a great number of alignment checks are regularly done.

Fixed Level Side Mounts

High side mounts are used when there are bay size restrictions which necessitate positioning the V3D console directly underneath the camera boom. Again, low side mounts are generally used where a great number of alignment checks are regularly done.

FASTER • MORE ACCURATE • MORE PROFITABLE

Set-Up To Readings In Under 3 Minutes

- Do more alignments in less time
- So easy and fun to use that technicians will actually sell more alignments
- Non-electronic wheel sensor targets eliminate calibrations, wheel sensor maintenance and cut cables
- No comebacks due to calibration problems



Mount wheel targets



Roll vehicle back and forth 8"



WHAT V3D CUSTOMERS ARE SAYING*

... the V3D aligner has saved 10-15 minutes per alignment.

The 3-D has increased not only our profit and the volume of our shop, but also the customer satisfaction ... able to almost double the amount of alignments we do.

... the number of comebacks has been zero since we switched over.

Our alignments have increased 3 fold since installing the V3D aligner-mostly because the techs like to use the V3D aligner.

We tripled our normal front end business that week.

Alignments are done in less time, better accuracy.

Can take in more alignments. Alignments done in about half the time.

With the new V3D aligner, alignment time for setup is cut in half.

The ease and speed of the V3D make it a sure money maker.

This is one time where I can state that the results far surpassed the claims of your salesman.

This allows me to cut down my cost for alignments as compared to other shops in the area.

... have increased our alignment sales by 40%.

Productivity increases were outstanding. Potential to increase jobs is 50 to 65%. ... My cost per alignment has decreased.

We can do more alignments simply because we don't have comebacks.

Productivity increased by over 50%. ... Instead of 1 alignment per hour, we are doing 1 in 30 minutes - correctly!

... a much faster turn around time for doing wheel alignments.

***CALL 1-800-362-4618 FOR A COMPLETE PRINTOUT OF V3D CUSTOMER EXPERIENCES.**

ADVANCED IMAGING TECHNOLOGY V3D²



FEATURES

Alignment Display

- Front Readings
- Rear Readings
- All Readings
- Zoom Readings
- Individual Camber
- Individual Toe
- Individual Caster
- SAI & Thrust Angle
- Included Angle
- Front & Rear Setback
- Toe Out On Turns
- Front Caster (-28° to +28°)
- Front & Rear Camber (-15° to +15°)
- Front & Rear Toe

Meter And All Reading Screens

- Advanced Alignment Measurements with reading/specifications and cross values
- Meter Screens
- Live 3-D Modeling

Three-way System Controls

- Voice Align™ (optional)
- Remote control
- Console keyboard

Other Software Features

Alignment Assistance

- 3-D Animation
- Live Video Helps (Multimedia)
- Multiple A-Arm Adjust
- Adjust Camber Only
- Elevated Adjustments
- Active Cradle Adjustments
- Drag Link Adjust
- 4-Wheel Steer Adjust
- Rear Shim Programs
- Driver Complaint Diagnostics
- A/I Alignment Diagnostics
- Adjustment Help Files
- E-Z Track Data Base

- Align Specs -30 years
- E-Z Toe
- Suspension Plus
- Mercedes Benz Spec Measurements
- Ride Height Charting
- Wheel Dimensioning *Plus*
- Roll Radius Measurements
- Cross Diagonal Measurements

Additional Setups

- Programmable Align Routine
- Set-back in Align Path
- Thrust Align Only
- Selectable Cross Values
- Multiple Languages

SPECIFICATIONS

Computer Alignment Systems

- 19" color display monitor
- Mobile deluxe cabinet
- State-of-the-art* CPU, RAM and HD Memory
- DVD / CD drive / 3.5 floppy
- Network card
- Color Ink Jet Printer
- Wheel Clamps
- 3-D Animated graphics
- Modem

Standard Accessories

- Steering wheel holder
- Brake pedal depressor
- Computer mouse
- Remote controller

Optional Equipment

- Digital remote display
- Universal tire clamps (Up to 24" wheels)
- Stainless steel turntables
- Standard turntables
- Calibration kit
- Voice Align™

Equipment Specifications

- Wheel size: 10" - 20"
- Wheel base: 79" - 200"
- Tread width: 48" - 96"

Power Requirements

- 115V / 1Ph, 50/60 Hz / 8 amp
- 230V / 1Ph, 50/60 Hz / 8 amp

*See product bid spec sheet



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CONTACT OUR INTERNATIONAL DEPARTMENT AT 501-450-1568, 501-450-1526 OR 501-505-2631

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