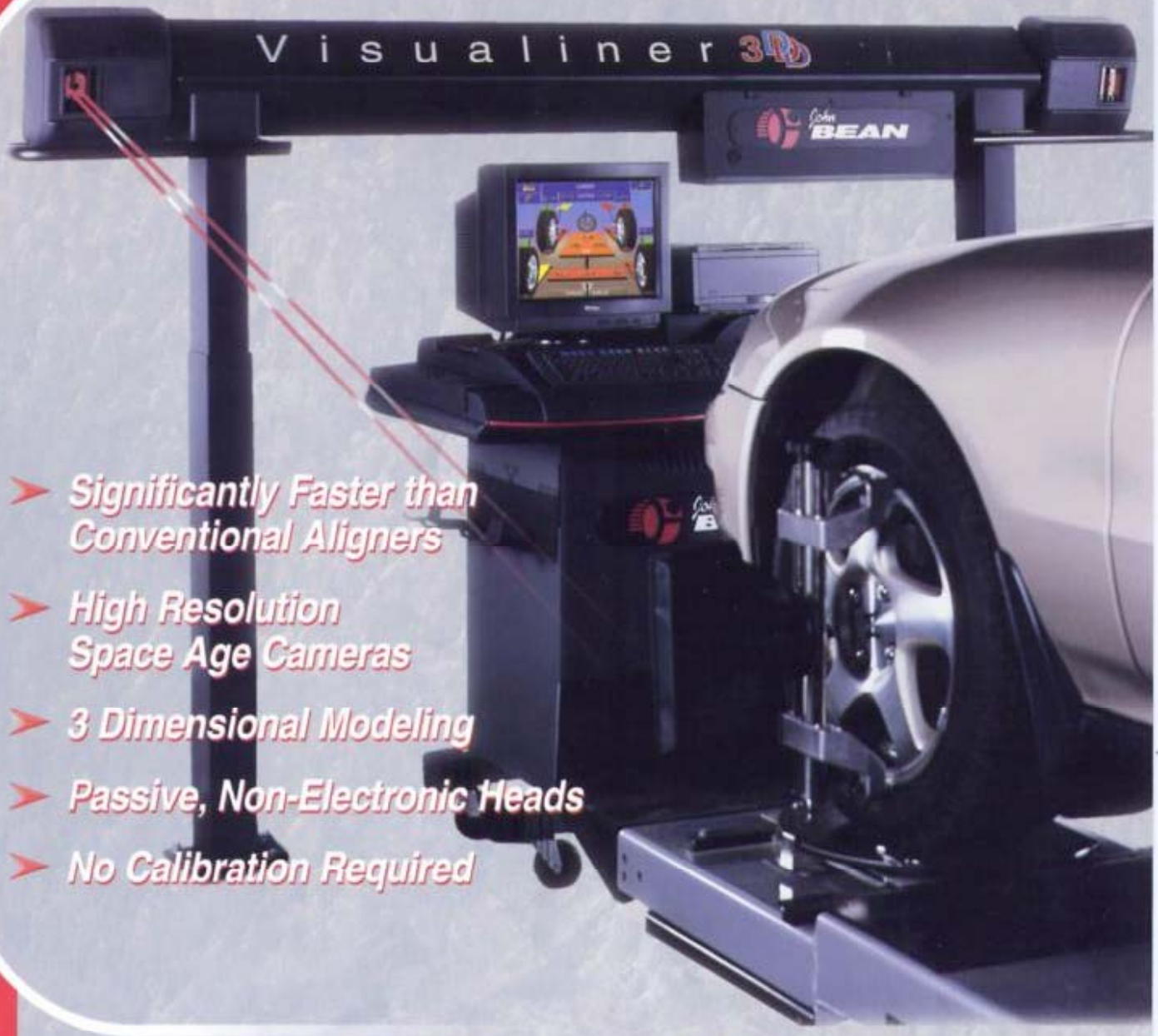
John BEAN™

TOTAL AUTOMOTIVE EQUIPMENT SOLUTIONS

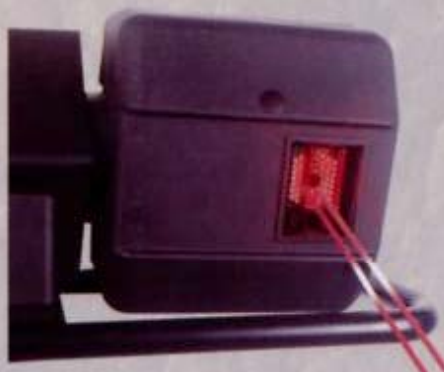


- Significantly Faster than Conventional Aligners
- High Resolution Space Age Cameras
- 3 Dimensional Modeling
- Passive, Non-Electronic Heads
- No Calibration Required

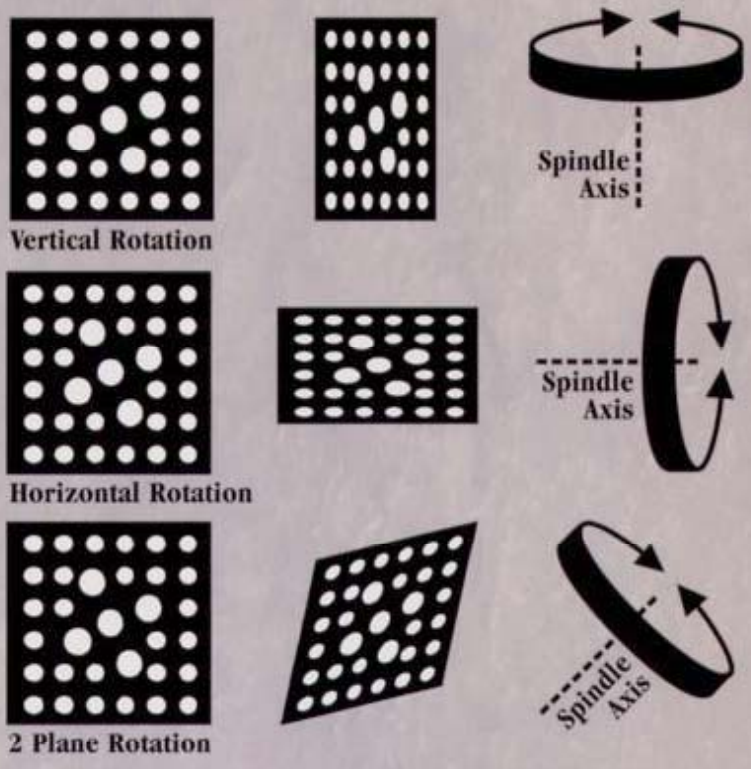
A Quantum Leap In Wheel Alignment Technology

High Resolution 3 Dimensional Imaging Technology

High Resolution Computerized Cameras



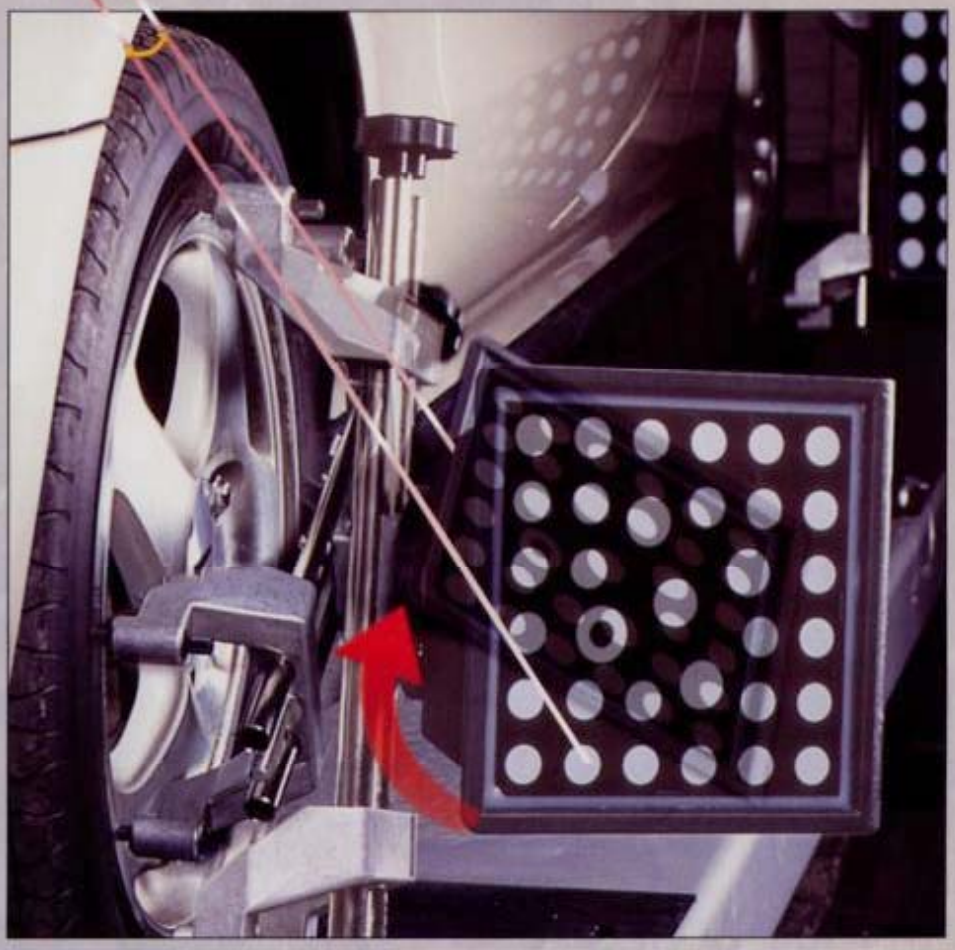
Bright, Flashing LEDs Aid Precise 3 Dimensional Imaging



Just an

8 inch

front to back movement will allow JBC's multi-chip Pentium Processing to use 3D modeling technology to accurately position each wheel's axis of rotation (spindle axis) and its relative position to the other wheels and to the vehicle. This establishes all the relevant alignment readings in just 3½ minutes from driving onto the alignment lift.



Non-Electronic Passive Head on Easy Mount Wheel Clamp

Increased Profits!

More Alignments Per Day!

- Intuitive Programming
- No Need for Level Lift
- No Runout Compensations
- No Repeat Caster Sweeps
- No Lifting or Jouncing
- Continuous Live Readings

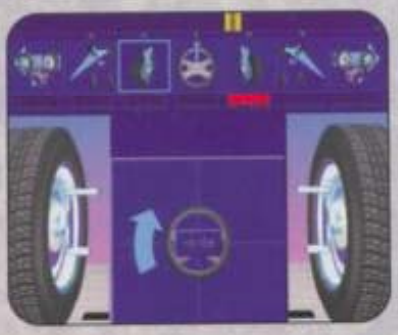
Up To Twice As Many Alignments Per Day!

Easier To Use!

➤ Intuitive Programming

After pushing the START key, the computer knows when you've finished one step and prompts you to the next step. No running back and forth to enter keystrokes.

The computer automatically recognizes the caster sweep when the operator begins turning the wheel. The operator can also do toe-out-on-turns and lock-to-lock measurements by just continuing to turn the wheel to the specified stops.



All alignment readings remain live on a single screen. No need for repeated caster sweeps after toe or camber adjustments.

Easy 4-Step Alignment Readings In Just 3½ Minutes

1. Drive the vehicle onto the lift and position the front wheels on the turntables.

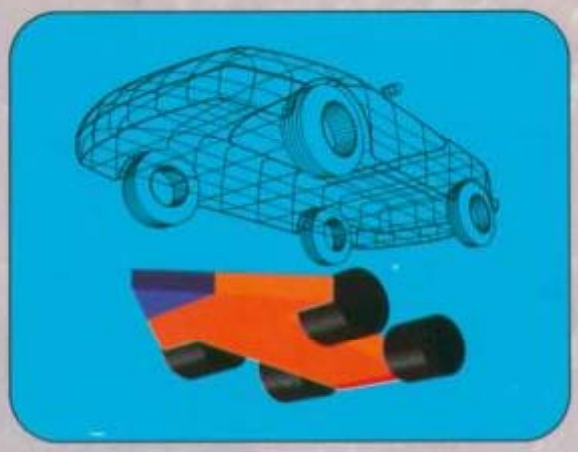
2. Mount the passive heads on the wheels. The high resolution cameras automatically recognize each head and the computer prompts the operator to proceed.

3. Roll the vehicle backwards until the display prompts "stop" (about 8 inches), and then roll back to the original position. The Visualiner 3D finds the axis of rotation (spindle axis) of each wheel and accurately calculates all the necessary alignment readings. Toe, camber, thrust angle, and setback measurements are shown live on the monitor screen.

4. Measure caster, SAI, toe out on turns and maximum steering angle by removing turntable pins and turning the wheel following instructions on the monitor. All measured alignment angles are now shown live on a single screen and on a customer printout if desired.

➤ Three Dimensional Modeling

The Visualiner 3D uses revolutionary three dimensional modeling to determine each wheel's position in three dimensional space. This means that no gravity gauges are needed and the level of the lift is insignificant.

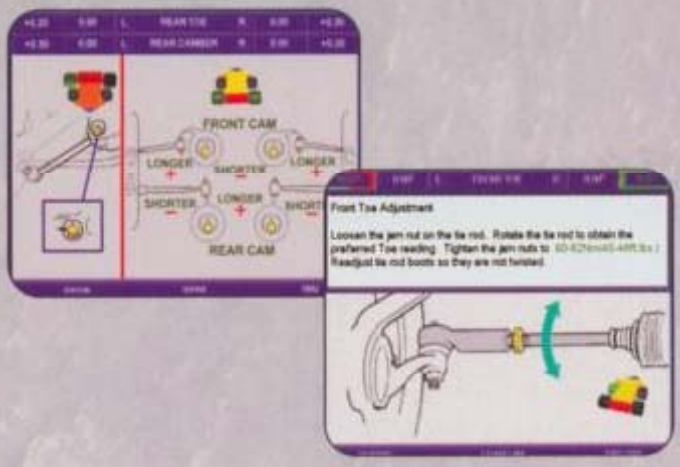


- Level Lifts/Racks not needed
- No need to level and lock the passive heads

➤ JBC Exclusive Rolling Adjustment Chair

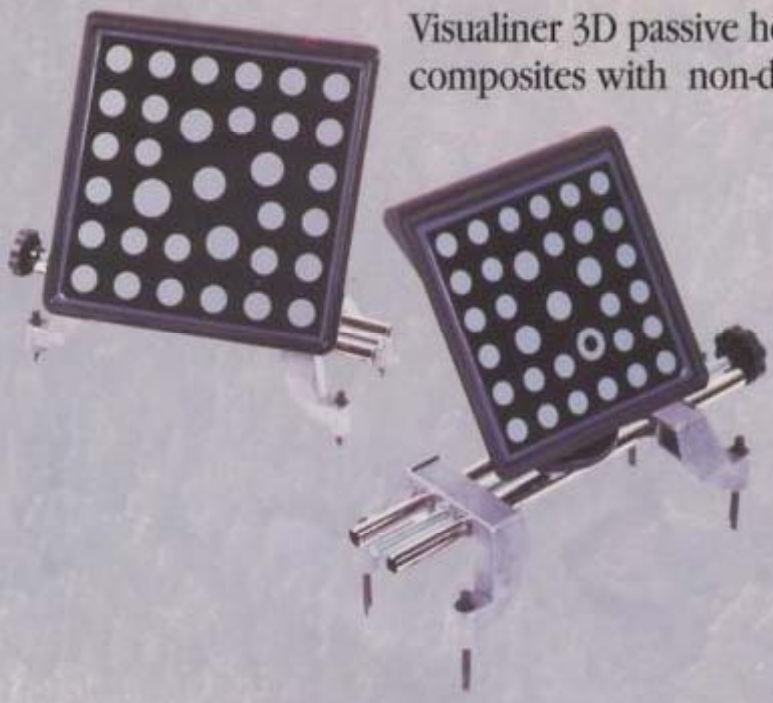
Makes alignment adjustments fast and comfortable without wasting time to raise and lower the lift.

HELP screens with patented VODI* orientation assist the operator at every stage of the wheel aligning process.



Vehicle Orientation Direction Indicator

Lower Maintenance Costs!



Visualiner 3D passive heads are made of tough, durable composites with non-distortion tempered glass.

- NO Electronics to fail
- NO Cables to damage
- NO Batteries or R.F. signals
- NO Calibration needed
- NO Downtime for head repairs

More Alignments with Lower Costs Means Greater Profits!

Who Is John Bean?

John Bean was the retired inventor who founded what today is known as the FMC Corporation. Through the 1970's, **John Bean** was the brand name of the leading line of wheel aligners and wheel service equipment. In the late 1970's, all FMC's individual brand names were changed to "FMC." FMC Automotive Service Equipment became known worldwide for innovative technology and equipment performance.

In April 1996, the Snap-on Corporation acquired the Automotive Service Equipment Division from FMC and renamed it the **John Bean Company,** resulting in the oldest, most experienced partnership in the automotive aftermarket. Snap-on has 76 years and John Bean/FMC 72 years in the manufacturing and marketing of Automotive Tools and Equipment. Who is John Bean? John Bean is the experienced solution to all your automotive service equipment needs.

Visualiner 3D Technical Specifications

Standard Equipment
Display Monitor
17" UVGA

Base Cabinet
Mobile Deluxe Cabinet

CPU Configuration
Pentium/16MB

Principal Drive
High Capacity Hard Drive

Additional Drives
CD-ROM
3½" Floppy Drive

Measuring Heads
Non Electronic Passive Heads

Units of Measurement
Millimeters, Inches, Degrees

Standard Accessories
Deluxe Printer Package
Full Keyboard
Steering Wheel Holder
Brake Pedal Depressor
Merchandising Kit
Alignment Specs

Optional Accessories
Remote Display
Rolling Scooter Adjustment Chair

Standard Features
Alignment Types
4-Wheel On All Vehicles

Alignment Display
3D Vehicle Angle Perspective
Numerical Reading Screens
Individual Wheel Readings

Measures
Front Caster
Front & Rear Camber
Front & Rear Toe
SAI
Thrust Angle
Included Angle
Front & Rear Setback
Toe Out On Turns
Maximum Turn Angle

Spec Entry
25 Year Database
Vehicle Spec Entry

Software Aids
Rear Shim Programs
Patented VODI Help Screen

John BEAN Company

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