



# Visualiner 3D Wheel Aligners





# Visualiner 3D<sup>1</sup>

## 3D – the third dimension of wheel alignment

Offering faster alignment combined with increased accuracy and stability – John Bean 3D wheel aligners stand for reliable wheel alignment and premium design quality. Not only does it add to the professional appearance of your workshop, but it also improves productivity and performance levels.

- John Bean's legendary 3D imaging technology measures the vehicles' alignment in 3 dimensional space thereby delivering absolute and more accurate data than conventional alignment systems. Measuring the vehicles' alignment in 3D also removes the dependence on the lift as an alignment reference plane.
- John Bean 3D aligners do not require conventional run-out compensation; therefore no jacking of the vehicle is required. Instead a simple time saving operation called vehicle positioning is performed where the vehicle is rolled a short distance backward and forward. This is ideally suited for vehicles where jacking is not recommended prior to wheel alignment.
- John Bean 3D aligners are available in stationary camera post, mobile camera lift or drive through versions to suit individual workshop requirements.
- Our extensive service network and dedicated training centre guarantee a professional technical back up from initial product training right through to after sales service and support.



## Visualiner 3D1 – its most distinctive features

- John Bean vehicle specs are sourced directly from the OEM and consequently are complete, up-to-date and correct.
- Intelligent self-test – the software reports any hardware defects.
- Printed outputs can be customised to suit customer requirements.
- Measurement procedures can be easily customised, adjusting workflow to user preferences.
- User management avoids unauthorised access.
- Continuous measurement of camber, caster and toe, and live on screen displays eliminate the necessity for time-consuming re-measurement procedures.
- EZ TOE – to facilitate individual toe adjustment without the necessity of locking the steering wheel.
- Live readings of vehicle dimensions for improved collision repair.
- Caster trail and scrub radius can be measured – an absolute must for collision repair, or vehicle tuning.
- Maintenance is reduced as the sensitive measurement units are at a safe distance from the vehicle. Consequently regular calibration is drastically reduced, or is no longer necessary – as for instance with Visualiner 3D Arago.



### Wheel Clamps

The quick clamp feature makes them both versatile and easy to use, chromium plating reduces corrosion and they have a diameter range of 11" to 22" (up to 26" with optional extensions). Clever design also allows measurement of maximum steering angle on vehicles with high SAI and caster values.



### Interchangeable grippers

With interchangeable grippers the wheel clamps can be used for alloy and steel rims alike. Plastic wheel trims can also be left in place during alignment.

### 3D all readings screen

All measured values are presented on a large graphic 3D display to allow simple diagnosis of all alignment data.



### 3D animation graphics

An easy-to-understand user program provides the operator with vehicle-specific adjustment information, referring to spare parts and the use of special tools where applicable.



# Visualiner 3D<sup>2</sup>

The following features make the Visualiner 3D<sup>2</sup> even more versatile.

- OEM-specific procedures are already integrated, thus facilitating wheel alignment in line with OEM requirements.
- The aligners can be integrated into workshop networks and vehicle specs can be up-dated on-line.
- Simple and quick ride height measurement with the optional accurate TIP. Automatic data input saves time and additional cost.
- Customer data can be imported and exported and are hence available for use elsewhere in your garage.
- Caster, camber and toe can be adjusted even with the wheels demounted – important for vehicles where adjusting elements are difficult to access.
- The 20" TFT wide-screen monitor and the control console improve ease of operation and customer awareness.



### *Sophisticated camera technology*

The colour LEDs in the camera provide operator instructions without the necessity to look at the screen – uncomplicated and timesaving.

### *TIP – target imaging pointer (optional)*

Simple and quick ride height measurement is possible with the accurate TIP. Automatic data input saves time and additional cost.

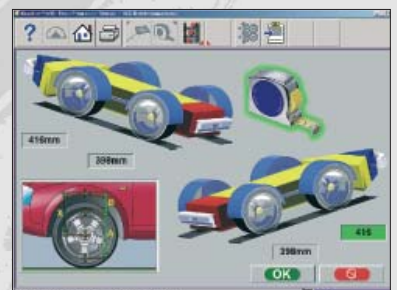


### *User guidance*

Self-explanatory menu guidance and the use of unmistakable symbols and colours reduce input errors.

### *Ride height measurement*

Whenever the TIP cannot be used, the system can be switched over to conventional ride height measurement.





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## Visualiner 3D Arago

### Visualiner 3D Arago – the top aligner with even more ultimate features

The following additional features of Visualiner 3D Arago make wheel alignment an ultimate experience for specialists.

- The aligner is self-calibrating, hence is always perfectly calibrated.
- Owing to DigiSmart, the cameras focus on the targets automatically and fully synchronized with the lift – this saves expensive working time.
- With horizontally adjustable cameras it is possible to measure even extremely small or large vehicles without any problem.
- The two independent camera posts allow for drive through operation.
- Compared with a conventional wheel aligner 3D aligners save time and increase productivity of your workshop – once the four targets are fitted on the wheels a few minutes are enough to complete the alignment. This allows you to carry out more alignments per day, so that your investment is paid off in a shorter time.
- Only a few manual inputs are required, then the program proceeds automatically. This facilitates operation and helps to minimise the risk of input errors.

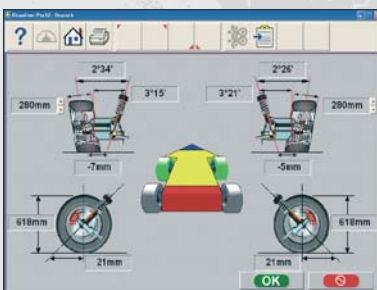
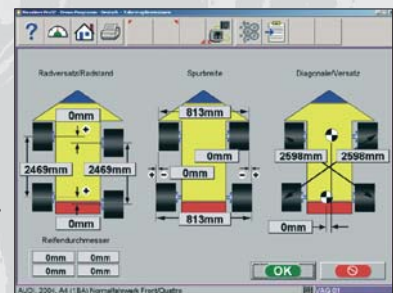


### VoiceAlign® (optional voice command feature)

Spoken commands control the alignment procedure, saving manual inputs at the control console – simple, quick and safe.

### FrameCheck®

Automatic measurement of vehicle dimensions simplifies the analysis of the overall vehicle condition.

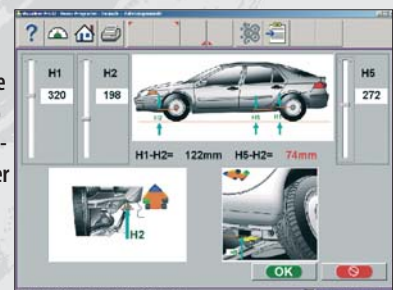


### RollingRadius®

The rolling radius of the tyre is determined as important criteria for checking tyre pressure, tread depth and correct tyre size.

### OEM vehicle spec up-dates

Complete OEM-specific vehicle specs and information help to carry out alignment on less familiar vehicle models. We offer a vast choice of car models of the past 25 years.




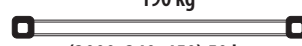



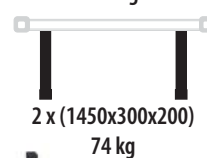




# Visualiner 3D Wheel Aligners



## Technical data and specifications

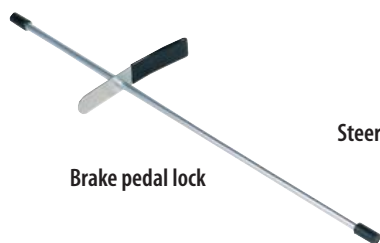
STANDARD EQUIPMENT	Visualiner 3D <sup>1</sup>	Visualiner 3D <sup>2</sup>	Visualiner 3D Arago
2 short posts (pit version)	optional	optional	
2 tall posts (work level approx. 1,2 m)	optional	optional	
Camera beam lift (work level 0 – 2,0 m)	optional	optional	
Camera beams LH/RH with camera system	•	•	
2 self-tracking cameras			•
PC with user software, vehicle specs, Windows® operating system	•	•	•
TFT wide-screen monitor	19"	20"	20"
A4 colour printer complete with data lead and power cord	•	•	•
Loudspeaker	•	•	•
IR remote control unit	•	•	•
Steering wheel holder	•	•	•
Brake pedal lock	•	•	•
Mobile control console	•	•	•
Wheel clamps 11" – 22" including front targets, 1 x LH, 1 x RH	•	•	•
Wheel clamps 11" – 22" including rear targets, 1 x LH, 1 x RH	•	•	•

	Working height		Volt	Measures and weight incl. packing
 <p>camera beam lift</p>	variable 0 – 2 m	 <ul style="list-style-type: none"> <li>- Windows operating system</li> <li>- TFT wide-screen monitor</li> <li>- DVD drive</li> <li>- Network adaptor</li> <li>- Multimedia sound system</li> </ul>	230 V, 1 ph, 50 – 60 Hz	 (1150x980x1700) 190 kg  (3000x340x450) 50 kg
 <p>tall posts adjustable</p>	ca. 1,20 m			 2 x (1450x300x200) 74 kg
 <p>pit version adjustable</p>	0 m			 2 x (1450x300x200) 74 kg
 <p>camera beam with self-tracking cameras</p>	variable 0 – 2 m			 (3040x760x520) 200 kg



## Accessories

### STANDARD ACCESSORIES



Brake pedal lock



Steering wheel holder



Remote control unit



Printer

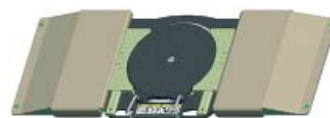
### OPTIONAL EXTRAS



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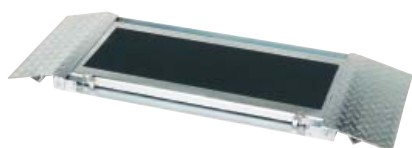
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