







- FOX 3D uses high resolution scientific imaging cameras with Digital Imaging Technology for data acquisition.
- Uses unique Align+ software with Windows OS.
- Optimized design makes it most preferred Aligner considering its easy serviceability and affordability.









Available Fox 3D Configurations...



Auto Boom

Automatic camera beam movement synchronized with movement of the vehicle on the lift. All measurements can be done at floor level and adjustments at any convenient level. Provision for manual height adjustment also.



Wall Mount

Flexibility of mounting camera beam on the wall. Advantage for space constrained workshops. Ideal for drive through service bays handling vehicles with minimum ground clearance. Suitable for PIT as well as LIFT applications.



Designed to perform alignment on

Scissor lift and Four Post Lift.



Designed to perform alignment on Alignment bay / pit.

SIMPLE 4 STEP ALIGNMENT : SAVE TIME - INCREASE REVENUE









Unique *Align*+ Software



Quick Align Program



Unique OEM wizard program helps in customizing Data Manager software to retrieve alignment history the screens by the technician himself by selecting and skipping routine inspection screens, attention screens, Caster swing etc.,

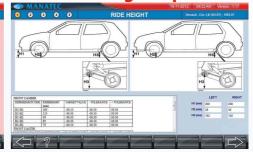
This saves considerable time and increases the productivity of the alignment centre.

Data Manager



by month, year and registration number. Useful tool for workshop managers.

Ride Height Input *



Ride Height table with manufacturer's specification will be displayed along with provision to enter the measured readings. This information helps technician to reconfirm the ride height readings. In case of skipping the ride height or entering incorrect value, a warning sign appears thus preventing the technician from making wrong adjustments to the angles.

3 Color Bar Code



On-line correction mode helps operator to correct the alignment with easy 3 color bar code identification.

3D Animated Illustration *



3D animated illustrations provides vehicle specific adjustment information.

Lift level compensation



When a scissor lift or a 4-post lift is used for wheel alignment, there may be level differences during the elevation of the platforms. These differences will affect castor/camber angles mostly. Compensation feature will overcome the error in readings due to level unevenness during elevation.

Vehicle Data



International vehicle data base with more than 20000 vehicle data including American & European data. User can also add, modify & delete data.

Pre-loading condition



Exclusive screen for entering data on pre-alignment set up and pre-loading position, for specific vehicles like BMW.

Features Menu



Useful features like vehicle information modification multi users function, vehicle data updates, unit conversion etc. are available.

Universal Wheel Bracket



Targets



Unique checker board targets. Rugged, No glass, No Electronics & Corrosion resistant.

Jacked up Camber Adjustment



Live Camber adjustment can be done in jacked-up condition eliminating trial & error method. Valuable alignment time is saved.

Standard Accessories



Target Plates 4 Nos.

Rotary Plates -

(2 ton)

2 Nos.

Steering Lock

1 No.



Wheel stoppers 2 Nos.

- 1 No.

Brake Pedal Lock -



PC with LED Monitor, Keyboard & Mouse



Alian+ & Data Manager Software

Technical Specifications

Measurement parameters	Range	Accuracy			
Camber (Front / Rear)	± 15° 00'	± 00° 02'			
Caster	± 28° 00'	± 00° 05'			
Kingpin Inclination	± 25° 00'	± 00° 05'			
Toe (Front / Rear)	± 20° 00'	± 00° 02'			
Total Toe	± 40° 00'	± 00° 04'			
Toe Out on Turns	± 25° 00'	± 00° 05'			
Setback (Front / Rear)	± 25 mm	± 2 mm			
Thrust angle	± 05° 00'	± 00° 02'			
Runout	± 10° 00'	± 00° 02'			
Included angle	± 40° 00'	± 00° 05'			
Track width difference	± 300 mm	± 5 mm			
Power supply	230V AC, 50Hz				
Power consumption	300W (without Printer)				
Power consumption for Autoboom	600W (without Printer)				
Operating temperature	0° - 50°C				

Optional Accessories



Printer (Inkjet or Laser) – 1 No.



Multimedia Speakers – 2 Nos.

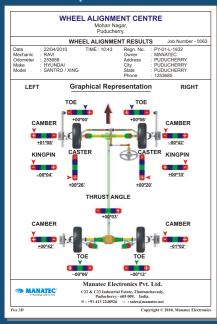


Long Rear wheel sliders - 2 Nos.



Wheel Bracket adapters (10"-26") - 16 Nos.

Graphical Printout



Text Printout

WHEEL ALIGNMENT CENTRE Mohan Nagar, Puducherry.							
WHEEL ALIGNMENT RESULTS Job Number - 0063							
Date / Time : 22/04/2010		Regn. No. Owner Address City State Phone	: MAN/ : PUDL : PUDL	JCHERRY JCHERRY JCHERRY			
Within limits	Before	s	pecificatio	n	After		
Within tolerance	correction	Min	Target	Max	correction		
Out of limits	FRON	T WHEEL	ALIGN	MENT RE	SULTS		
CAMBER Left	+00°00°	+00°02°	+00°32'	+01°02'	+00°04'		
Right Max.diff, Left/Right	+00600,	+00°02'	+00°32'	+01°02'	+00°05'		
KINGPIN Left	+00,00	+12°15'	+00°30 +12°45'	+13°15'	+10°40'		
Right	+00,00	+12°15'	+12°45	+13°15	+10°30'		
Max.diff. Left/Right	+00°00		+00°30'		+00°10'		
INCLUDED ANGLE Left	+00 ₀ 00,		+13°17'		+10°44'		
Right	+00 ₆ 00.		+13°17'	-	+10°35'		
Max.diff. Left/Right	+00 ₀ 00.				+00,009,		
CASTER Left Right	+00 ₀ 00, +00 ₀ 00,	+01°59' +01°59'	+02°29'	+02°59' +02°59'	+00°05' +00°02'		
Max.diff, Left/Right	+00,00,	+01 09	+00°30'	102 35	+00903		
SETBACK	0mm				0mm		
TOE Left	+00000	-00°20'	+00°42'	+01°44'	+00°01'		
Right	+00°00°	-00°20'	+00°42'	+01°44'	+00°08°		
Max.diff. Left/Right	+00 ₀ 00,		+01°02'		-00°07'		
TOTAL TOE	+00 ₀ 00.	-00°40'	+01°24'	+03°28'	+00,000		
CAMBER Left	+00°00°	-0030.	+00°00'	+00°30'	+00909		
CAMBER Left Right	+00,00	-00°30'	+00500.	+00°30	+00°09		
Max.diff. Left/Right	+00 ₀ 00,		+00 ₆ 30,		+00°04'		
THRUST ANGLE	-00°30'				+00°06'		
TOE Left	-00°30'	-01°02°	+00 ₀ 00,	+01°02'	+00°01'		
Right	-00°30'	-01°02'	+00°00.	+01°02'	+00°07'		
Max.diff. Left/Right	-01°00'		+01°02'		-00°06		
TOTAL TOE	+00 ₆ 00.	-02°04'	+00000.	+02°04'	-00°08'		
SETBACK	0mm			-	Umm		
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Fox 3D				010, Manate	ec Electronic		

Pre-Alignment Inspection Report

WHEEL ALIGNMENT CENTRE Mohan Nagar, Puducherry. WHEEL ALIGNMENT RESULTS Job Number - 0063							
Pre - Alignment Inspection							
Item	Comments		Check	Service	Replace		
Tire Pressure			Yes	No	No		
Wheel Bearings			Yes	No	No		
Wheel Damper			Yes	No	No		
Steering Damper			No	Yes	No		
Steering Gear/Coupler			No	Yes	No		
Rack And Pinion			No	Yes	No		
Ball Joints			No	Yes	No		
Springs/Torsion Bar			No	Yes	No		
Shock/Strut			No	No	Yes		
Idler Arm			No	No	Yes		
Pitman Arm			No	No	Yes		
Center Link			No	Yes	Yes		
Control Arm/Bushings			No	No	No		
Strut Rod/Bushings			No	No	No		
Tie Rod Ends			Yes	No	No		
Tie Rod Adjusting Sleeve			Yes	No	No		
Stabilizer Bushings			Yes	No	No		
Spring Shackle Bushings			Yes	No	No		
Wheels/Fasteners			No	Yes	No		
Spring Shackle Bushings			No	Yes	No		
Spring Shackle Bushings			No	No	Yes		
Manatec Electronics Pvt. Ltd. C22 & C23 Industrial Estate, Thattanchavady, Pudicherry - 605 809, India. 2: +91 413 228926 = :: sale@manatec.net							
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MANATEC

Factory

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