



« Unique "ALIGN+" Software »

Model : **FOX 3D Auto Boom**

Model : **FOX 3D VH**



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.

VH (Variable Height) - Horizontal beam with camera can be fixed at any desired level.

Designed to perform alignment on Scissor lift, Four Post Lift and Pit.

Model : **FOX 3D PT**

Model : **FOX 3D - DT**



PT (Pit Version) - Designed to perform Alignment on pit.

Drive Through model camera fitted with individual posts. More suitable for space constraint workshops giving access for free movement in shop without any obstruction due to horizontal beam.



Quick Alignment



Data Manager



Hindi Software



10 Mega Pixel Camera

Unique "ALIGN+" Software

Data acquisition using high resolution scientific imaging cameras



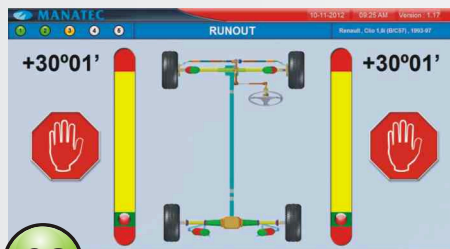
No Electronics on wheels

SIMPLE 4 STEP ALIGNMENT : SAVE TIME - INCREASE REVENUE



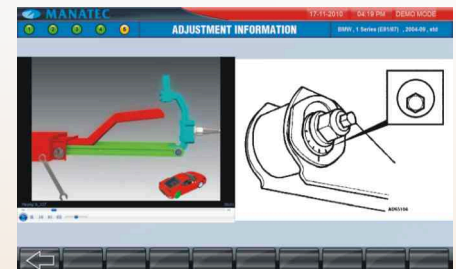
01

Pre-Alignment Inspection



02

Push - Pull Runout



Animation guidance
(optional features Available in Autodata)



03

Turn Left / Right



04

Alignment Results



Live readings to adjust

Universal Wheel Bracket



Suitable for 12" - 24" rim diameter



Inner : 12" - 20"

Outer : 16" - 24"



Alloy rims & Run flat tyre

Steel rim with Fancy disc

SMART CONTROL - Optional

Tablet



Highly user-friendly Wi-Fi enabled tablet device to display alignment results and to operate the PC from the Alignment bay (Max 10 meters).

Remote Control



Portable 2.4 GHz Wireless control device to operate the PC from the alignment bay (Max 10meters).

Quick Align Program

Features Menu

Unique OEM wizard program helps in customizing the screens by the technician himself by selecting and skipping routine inspection screens, attention screens, Caster swing etc.,

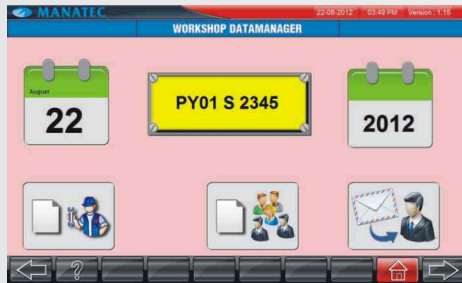
This saves considerable time and increases the productivity of the alignment centre.



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

Data Manager

Data Manager software to retrieve alignment history by month, year and registration number. Useful tool for workshop managers.



Lift level compensation



Salient Features

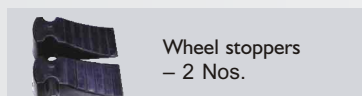
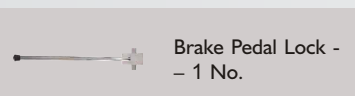
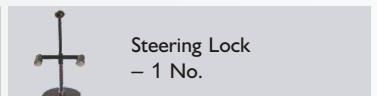
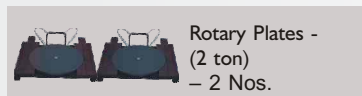
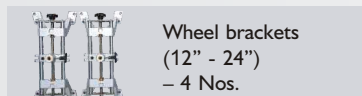
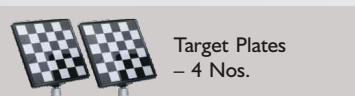
- Vision based 3D Imaging technology using 2 High Performance SI (Scientific Image) Camera
- Simultaneous Front and Rear wheel alignment (4x4)
- Push Pull Runout /Setback / Thrust angle compensation
- Lift level compensation at adjustment level
- Unlimited memory for vehicle specifications
- Option for selection of vehicle specification during alignment
- Power failure data protection
- Automatic tracking of Left & Right turns for Caster/Kingpin measurements
- Adjustment of Camber in wheel Jacked-up position & Toe curve measurement
- Rear Setback & Track width difference,
- Toe adjustment in single Tie rod vehicle, Vehicle geometry measurements
- Effortless Toe (Easy Toe) adjustment program
- Camber measurement at Zero Toe
- Drag link adjustment
- Toe out on Turns & Lock angle measurements
- Animated pictorial display of angles during alignment
- Zoom in option for live parameters
- Two Color Bar display for adjustment of all angles
- Quick Wheel Alignment program by user defined
- Data Manager Software for storing alignment results
- Customer Address in printout & customer data edit option
- 3-D Pictorial & Two color text printout
- Multi-lingual program & Voice prompt
- Two wheel Alignment program by fixing only front two target plates

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 caster/camber angles mostly. Compensation feature will overcome the error in readings due to level unevenness during elevation.

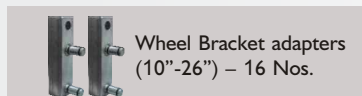
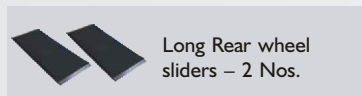
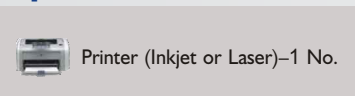
Technical Specifications

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	± 20° 00'	± 00° 02'
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 / 110V AC, 60Hz	
Power consumption	200W (without Printer)	
Power consumption for Autoboom	400W (without Printer)	
Operating temperature	0° - 50°C	

Standard Accessories



Optional Accessories



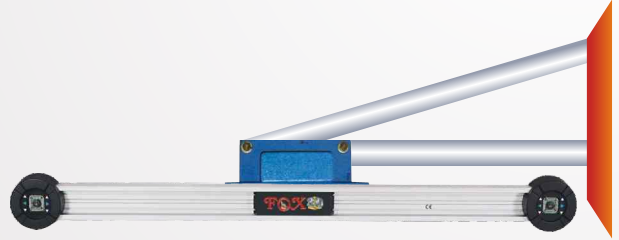
Fox 3D Customized Installation Configurations

Installation of Fox 3D Wheel Aligner can be customized depending on the availability of space in the customer premises.

The Horizontal beam fitted with camera sensors can be installed using various configurations without any change in Technical features and Specifications, as indicated below.



Roof Hanging



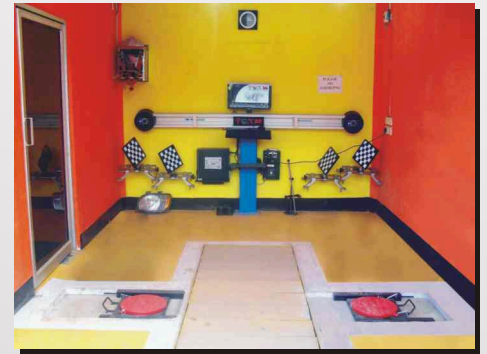
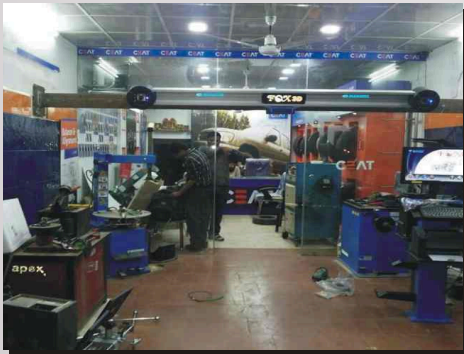
Wall Mount Sidewise



Double Side Wall Mount



Wall Mount



Horizontal beam with cameras is mounted on elevated position using our Double Side Wall Mount model - **Space clearance at ground level.**

Installed close to the wall at a minimum width and length of the Alignment bay - **Space saving.**

Graphical Printout

Before Correction		After Correction	

Text Printout

DB : India (2014-1)	Before correction	Specification			After correction
■ Within limits	Min	Target	Max		
FRONT WHEEL ALIGNMENT RESULTS					
CAMBER	Left: -0°14', Right: -0°25', Max.diff. Left/Right: 0°09'	-0°22'	+0°38'	+0°138'	-0°14', -0°25', 0°12'
KINGPIN	Left: +12°08', Right: +12°28', Max.diff. Left/Right: 0°20'	+11°56'	+11°56'	+11°56'	+12°08', +12°08', 0°20'
INCLUDED ANGLE	Left: +11°54', Right: +12°03', Max.diff. Left/Right: 0°09'	---	+12°34'	---	+11°54', +12°02', 0°08'
CASTER	Left: +03°46', Right: +03°35', Max.diff. Left/Right: 10.5mm	+02°30'	+03°30'	+04°30'	+03°47', +03°35', 0°12'
SETBACK	10.5mm	---	---	---	10.5mm
TOE	Left: +0°03', Right: +0°11', Max.diff. Left/Right: 0°08'	+0°00'	+0°04'	+0°09'	+0°05', +0°08', 0°04'
REAR WHEEL ALIGNMENT RESULTS					
CAMBER	Left: -0°120', Right: -0°41', Max.diff. Left/Right: 0°39'	+0°00'	+0°100'	+0°200'	-0°120', -0°41', 0°39'
THRUST ANGLE	Left: -0°02', Right: +0°06', Max.diff. Left/Right: 0°08'	---	+0°021'	+0°042'	-0°02', +0°06', 0°08'
TOTAL TOE	+0°17'	+0°00'	+0°042'	+0°124'	+0°21'
SETBACK	11.5mm	---	---	---	11.5mm

Pre-Alignment Inspection Report

WHEEL ALIGNMENT CENTRE				
WHEEL ALIGNMENT RESULTS				
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 Shackles Bushings		Yes	No	No
Wheels/Fasteners		No	Yes	No
Spring Shackles Bushings		No	Yes	No
Spring Shackles Bushings		No	No	Yes