



WELCOMERFUTURE in Multi-axle Alignment Measures all 6 axles under 3 min.









- 12 times faster alignment results
- 36 times faster wheel Runout values
- No Electronics on wheels
- Technician friendly operation





Innovative Image Processing Technology

- HD Quad Cameras with 10 Megapixels
- High Speed Data Transmission USB 3.0 ports
- Latest Technology Innovative Digital 3D Image processing technology.
- Stationary camera No frequent calibration due to accidental fall or mishandling
- Direct Power supply No battery charging / discharging issues

One shot Runout Compensation of all 6 axles No Pushing / No Lifting

- Simultaneous Alignment One shot Run out compensation upto 6 Axles within 3 mins
- Ease of Operation Run out compensation by driving the vehicle
- Technician Friendly No need of jacking of Wheels
- High Productivity Quick process, more number of Alignments per day



One Shot Caster swing for twin steer axles



- Single Shot Caster Swing for Twin Steerable axles
- **Standard accessory** Turn Tables 4 nos of each 7 ton capacity
- Fixed target No need to remove and refix the targets for each axle

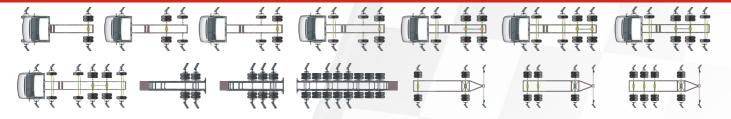
No Electronics on wheels



- No Electronics on wheels No Battery related issues
- No need for frequent calibration even when accidently dropped
- Negligible service & maintenance cost

100% Vehicle Compatibility

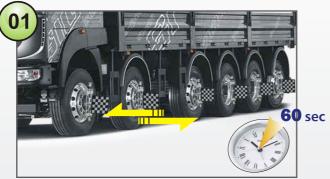
Various type of Axle Assembly of TRUCKS, BUSES, TRAILERS & FULL TRAILERS



- 100% Compatible Suitable for all types of Vehicle Configuration. (Including Cars, Trucks, Buses & Trailers)
- New Vehicle Data Provision for adding new vehicle specification / Configuration



Get Alignment results of all 6 axles under 3 minutes





All results in one screen



One shot Caster swing of twin steer axles



Smart Support without Internet



Tablet operation

Highly user-friendly Wi-Fi enabled Tablet & Mobile device to display alignment results & to operate PC from Alignment bay. Avoids multiple trips to PC console.



JUMBO 3D OTHER MODELS



Model: Jumbo 3D OPTIMA



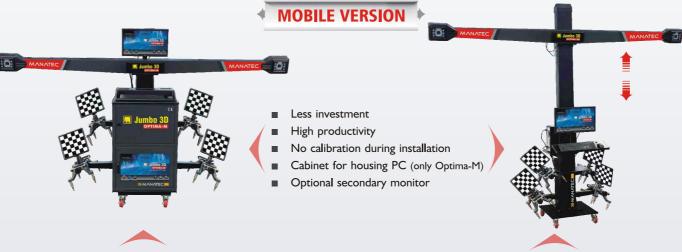
Easy Runout within 1 minute No Pushing / No Lifting



- Runout of all 6 axles by driving the vehicle sequentially
- All measurements within 3 mins for 2 axles
- Quick results, high productivity
- More number of alignments per day
- Sequential alignment of multi axles
- Optional secondary monitor

Model: Jumbo 3D OPTIMA-M





Designed to perform wheel alignment on Alignment pit. **Equipment can be moved between bays for multi-bay operations.** Comes with mobile trolley for easy mobility.

Wheel alignment can be performed upto 6 axles, sequentially.

Designed to suit lift based wheel alignment. Camera beam adjusts automatically with the movement of the vehicle on alignment lift.

Measurements at floor level, adjustments at any convenient height. *Equipment can be moved between bays for multi-bay operations*. Comes with mobile trolley for easy mobility.

Wheel Alignment can be performed upto 3 axles on alignment lift and upto 6 axles on alignment pit, sequentially.

Salient Features	JUMBO 3D Super 6A	JUMBO 3D Super 5A	JUMBO 3D Super 4A	JUMBO 3D Optima	JUMBO 3D Optima M	JUMBO 3D Optima AB
Suitable for alignment of Buses, Trucks, Trailers & Cars	~	~	V	~	~	V
Suitable for alignment of Articulated Buses (Drive Through)	~	V	V	x	x	x
Compatible with Multi-axles (up to 16 wheel vehicles)	~	V	V	~	~	V
Simultaneous alignment of Vehicles	6 Axles	5 Axles	4 Axles	2 Axles	2 Axles	2 Axles
Sequential alignment of 6 axles	x	V	~	V	V	V
Alignment of Trailers up to 8 axles in reverse parking by 2 steps	V	V	~	x	x	x
Simultaneous alignment of Trailers up to 3 Axles in forward parking & reverse parking	V	V	~	x	x	x
Sequential alignment of Trailers up to 3 axles by reverse parking	NA	NA	V	~	~	V
Display of Toe in "deg. min"/"deg."/ "mm"/"mm/M" / "inch" & other angles in "deg."/"deg. min"/deg. fraction (1½°)	V	V	V	V	V	V
Drive Thru' option	~	~	V	x	x	x
Camera coverage (Camera to last Target plate)	19 m	19 m	19 m	13 m	13 m	13 m



Accessories - Sc	ope of supply	JUMBO 3D Super 6A	JUMBO 3D Super 5A	JUMBO 3D Super 4A	JUMBO 3D Optima	JUMBO 3D Optima M	JUMBO 3D Optima AB
AA	Wheel brackets (15"-28")	12 Nos.	10 Nos.	8 Nos.	4 Nos.	4 Nos.	4 Nos.
	Target plates	12 Nos.	10 N os.	8 Nos.	4 Nos.	4 Nos.	4 Nos.
	Rotary plates (7 ton) with Spacers	4 Nos.	4 Nos.	4 Nos.	4 Nos.	4 Nos.	4 Nos.
T	Steering lock	1 No.	1 No.	1 No.	1 No.	1 N o.	1 No.
	Brake pedal lock	1 No.	1 No.	1 No.	1 No.	1 No.	1 No.
	PC console with Windows 10 loT, Key board & Mouse	1 No.	1 No.	1 No.	1 No.	1 N o.	1 No.
	LED monitor (21.5") HDMI / DP interface	1 No.	1 No.	1 No.	1 No.	1 N o.	1 No.
	LED monitor secondary (21.5") HDMI / DP interface	1 No.	1 No.	1 No.	Optional	Optional	Optional
图	Wheel stoppers	2 Nos.	2 Nos.	2 Nos.	2 Nos.	2 Nos.	2 Nos.
	Truck alignment & Data manager software	1 No.	1 No.	1 No.	1 N o.	1 N o.	1 No.
I	Target stands	3Tx4 Nos	3Tx2 Nos 2Tx2 Nos	2Tx4 Nos	Optional	Optional	Optional
	Steering lock (LCV)	1 No.	1 No.	1 No.	1 N o.	1 N o.	1 No.
	Brake pedal lock (LCV)	1 No.	1 No.	1 No.	1 No.	1 N o.	1 No.
	Front target plate extension spacer 150 mm long	6 Nos.	6 Nos.	6 Nos.	4 Nos.	4 Nos.	4 Nos.
	Adaptor for rim locking pins with storage box	48 Nos.	40 Nos.	32 Nos.	16 N os.	16 Nos.	16 Nos.

Optional Accessories

optional Access	30.163	Super 6A	Super 5A	Super 4A	Optima	Optima M	Optima AB
##	Wheel bracket extension adaptors upto 30"	48 Nos.	40 Nos.	32 Nos.	16 Nos.	16 Nos.	16 Nos.
	Rotary plate ramp (for on-ground alignment)	6 Nos.	6 Nos.	6 Nos.	6 Nos.	6 Nos.	6 Nos.
To	Frame reference gauge	1 No.	1 No.	1 No.	1 No.	1 No.	1 N o.
•	Frame offset gauge	1 No.	1 No.	1 No.	1 No.	1 No.	1 No.
	Tyre dia guage	1 No.	1 No.	1 No.	1 No.	1 N o.	1 N o.
	Drawbar gauge (Full trailer)	1 No.	1 No.	1 No.	-	-	-
	4 shaft calibration kit	1 No.	1 No.	1 No.	1 No.	1 No.	1 N o.
	Extension spacer (600 mm) for Drive Thru' calibration kit	4 Nos.	4 Nos.	4 Nos.	-	-	-
	Double end rim locking pins (Steel rims)	48 Nos.	40 Nos.	32 Nos.	16 Nos.	16 Nos.	16 Nos.
	Double end rim locking pins (Low profile Steel rims)	48 Nos.	40 Nos.	32 Nos.	16 Nos.	16 Nos.	16 Nos.
	Double end rim locking pins (Long bolt rims)	48 N os.	40 Nos.	32 Nos.	16 N os.	16 Nos.	16 Nos.
Q	Drive Thru' kit	1 No.	1 No.	1 No.	-	-	-
Control of the Contro	Chain Block with Ratchet (Rear single axle adjuster)	1 No.	1 No.	1 No.	1 No.	1 No.	1 No.

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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'		
Scrub / Thrust angle	± 10° 00'	± 00° 02'		
Runout	± 10° 00'	± 00° 02'		
Included angle	± 40° 00'	± 00° 05'		
Track width	Actual	± 2 mm		
Power supply	110V AC, 60Hz / 230V AC, 50Hz			
Power	250W (400W for Optima AB)			
Operating temperature	0° - 50°C			

 $[\]ensuremath{^*}$ Above specified accuracy levels are subjected to laboratory test jig condition.



Models can be **UPGRADED** from **4 axles** to **5 axles** or **6 axles** at any time.



MANATEC ELECTRONICS LLC.

Unit B 16, 10795 Hammerly LLC, Houston, TX 77043, USA

Phone: +1 734 629 2672 | +1 248 653 1245

Email : sales@manatecusa.com

www.manatec.us





