

Jumbo 3D SUPER

World's 1st 3D Wheel Aligner for Multi-Axle Trucks, Buses & Trailers



WELCOME TO THE FUTURE in Multi-axle Alignment
Measures all **6** axles under **3** min.

PATENTED

USA #US10480937B2
Australia #2017100084
India #361892

Exporting to 70⁺ countries

- One shot Runout compensation of all 6 axles simultaneously
- One shot Caster swing for twin steer axles
- Ideal for all workshops, tyre shops & OEM end of line requirements

Models : JUMBO 3D Super 6A
JUMBO 3D Super 5A
JUMBO 3D Super 4A



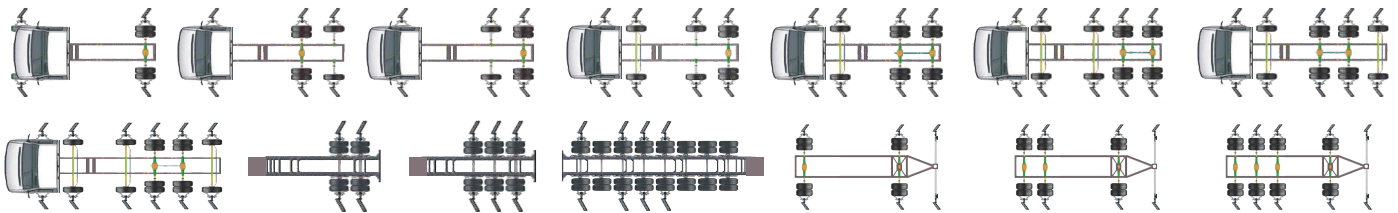
Windows10 IoT

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



- One shot Runout compensation of all 6 axles by driving the vehicle
- One shot caster swing for twin steer axles
- Quick results, high productivity
- More number of alignments per day

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



Get Alignment results of all 6 axles under 3 minutes



One shot Runout Compensation of 6 axles simultaneously



Caster swing can be performed for twin steer axles simultaneously.



All results in one screen



2 min 50 sec

Model :  **Jumbo 3D OPTIMA**

Easy Runout within 1 minute
No Pushing / No Lifting

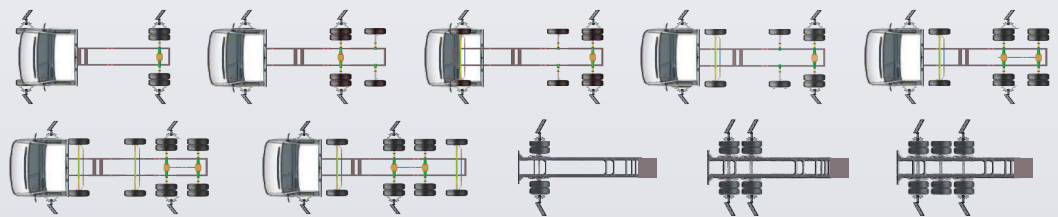


 **Windows10 IoT**



- 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

*Various type of
Axle Assembly for
TRUCKS & TRAILERS*



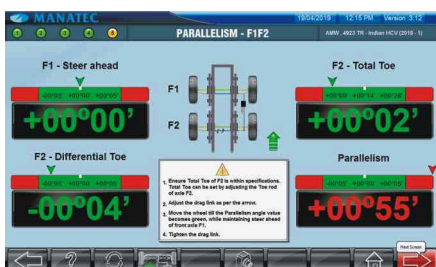
Salient Features

JUMBO 3D Super 6A JUMBO 3D Super 5A JUMBO 3D Super 4A JUMBO 3D Optima

✓	✓	✓	✓
✓	✓	✓	X
✓	✓	✓	✓
6 Axles	5 Axles	4 Axles	2 Axles
X	✓	✓	✓
✓	✓	✓	X
✓	✓	✓	X
NA	NA	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	X
X	6A	5A & 6A	X
19 m	19 m	19 m	13 m
✓	✓	✓	✓

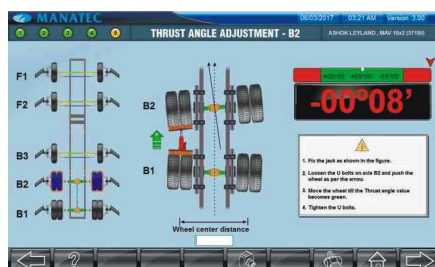
- Suitable for alignment of Buses, Trucks, Trailers & Cars
- Suitable for alignment of Articulated Buses (Drive Through)
- Compatible with Multi-axles (up to 16 wheel vehicles)
- Simultaneous alignment of Vehicles
- Sequential alignment of 6 axles
- Alignment of Trailers up to 8 axles in reverse parking by 2 steps
- Simultaneous alignment of Trailers up to 3 Axles in forward parking & reverse parking
- Sequential alignment of Trailers up to 3 axles by reverse parking
- Export option for Data manager reports
- Power failure data protection (Resuming of current job in which stage the power failure happened)
- Display of Toe in "deg. min"/"deg." / "mm"/"mm/M" / "inch" & other angles in "deg."/"deg. min"/deg. fraction (1½°)
- Drive Through option
- Upgradation to models
- Camera coverage (Camera to last Target plate)
- Suitable for aligning multiple steer axle

Parallelism Adjustment



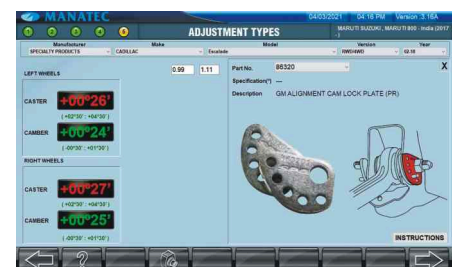
Alignment of Front twin steer axles
to maintain parallel condition

Thrust / Scrub Angle Adjustment



Alignment of drive and tandem axles
in multi axle trucks

Cam Bushing Program



Cam bushing program for pickup vehicles

Innovative Image Processing Technology



Jumbo 3D uses latest, innovative, digital-imaging technology using 4 digital cameras for data-acquisition. High resolution 10 Megapixels digital cameras operate with intelligent software & capture seamless images of targets

One Shot Caster swing for twin steer axles



- Caster swing can be performed for twin steer axles simultaneously
- 4 nos Rotary plates supplied as standard accessory
- No need to remove and refix the targets for each axle

No Electronics on wheels



Compared to other International brands

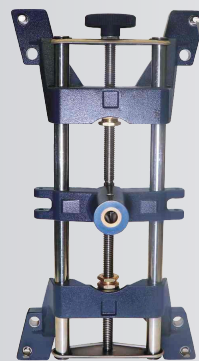
- No expensive service bills if accidentally target plate is dropped
- Calibration not required
- Free from battery discharge issues
- Compact and light weight

Chain Block with Ratchet (Rear single axle adjuster)

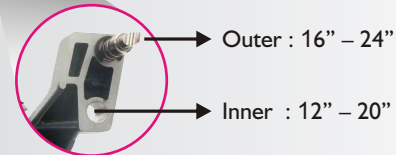
- Useful tool for Thrust / Scrub angle adjustment.
- Precise adjustment in quick time.
- Saves considerable time and energy.



Universal Wheel Bracket



Suitable for 12" – 24" rim diameter.



Tubeless Rim & Alloy Rim

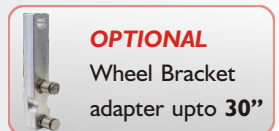


Tube Rim & Flat Rim

Double end rim locking pins for operating on steel and alloy wheels



Universal pin adaptor serves as extender for using the pins for protruding rims



OPTIONAL

Wheel Bracket adapter upto 30"

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.



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'
Setback (Front / Rear)	± 25 mm	± 2 mm
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	230V AC, 50Hz / 110V AC, 60Hz	
Power	250W	
Operating temperature	0° - 50°C	

Accessories - Scope of supply

		JUMBO 3D Super 6A	JUMBO 3D Super 5A	JUMBO 3D Super 4A	JUMBO 3D Optima
	Wheel brackets(12"-24")	12 Nos.	10 Nos.	8 Nos.	4 Nos.
	Target plates	12 Nos.	10 Nos.	8 Nos.	4 Nos.
	Rotary plates (7 ton) with Spacers	4 Nos.	4 Nos.	4 Nos.	4 Nos.
	Steering lock	1 No.	1 No.	1 No.	1 No.
	Brake pedal lock	1 No.	1 No.	1 No.	1 No.
	PC console with Windows 10 IoT, Key board & Mouse	1 No.	1 No.	1 No.	1 No.
	LED monitor (21.5") HDMI / DP interface	1 No.	1 No.	1 No.	1 No.
	LED monitor secondary (21.5") HDMI / DP interface	1 No.	1 No.	1 No.	Optional
	Wheel stoppers	2 Nos.	2 Nos.	2 Nos.	2 No.
	Truck alignment & Data manager software	1 No.	1 No.	1 No.	1 No.
	Target stands	3Tx4 Nos	3Tx2 Nos 2Tx2 Nos	2Tx4 Nos	Optional
	Chain Block with Ratchet (Rear single axle adjuster)	1 No.	1 No.	1 No.	Optional
	Steering lock (LCV)	1 No.	1 No.	1 No.	1 No.
	Brake pedal lock (LCV)	1 No.	1 No.	1 No.	1 No.
	Front target plate extension spacer 150 mm long	6 Nos.	6 Nos.	6 Nos.	4 Nos.
	Adaptor for rim locking pins with storage box	48 Nos.	40 Nos.	32 Nos.	16 Nos.

Optional Accessories

		JUMBO 3D Super 6A	JUMBO 3D Super 5A	JUMBO 3D Super 4A	JUMBO 3D Optima
	Wheel bracket extension adaptors upto 30"	48 Nos.	40 Nos.	32 Nos.	16 Nos.
	Rotary plate ramp	6 Nos.	6 Nos.	6 Nos.	6 Nos.
	Frame reference gauge	1 No.	1 No.	1 No.	1 No.
	Frame offset gauge	1 No.	1 No.	1 No.	1 No.
	Tyre dia guage	1 No.	1 No.	1 No.	1 No.
	Drawbar gauge (Full trailer)	1 No.	1 No.	1 No.	–
	4 shaft calibration kit	1 No.	1 No.	1 No.	1 No.
	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.
	Double end rim locking pins (Low profile Steel rims)	48 Nos.	40 Nos.	32 Nos.	16 Nos.
	Double end rim locking pins (Long bolt rims)	48 Nos.	40 Nos.	32 Nos.	16 Nos.
	CVT (Constant voltage transformer) 1KVA	1 No.	1 No.	1 No.	1 No.
	Drive Thru' kit	1 No.	1 No.	1 No.	–
	Wheel off Camber adjustment kit (LCV)	1 No.	1 No.	1 No.	1 No.
	Printer	1 No.	1 No.	1 No.	1 No.

Can be **UPGRADED** from
Simultaneous alignment of
5 axles to 6 axles at a time.

Car Kit (Optional)

	Rim locking pins (for Runflat tyre rims & Fancy disc)	– 16 Nos.
	Car alignment & Vehicle data software	– 1 No.
	Wheel stopper	– 2 Nos.

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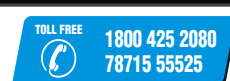
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