MANATEC EUROPE
ALIGNED TO EXCELLENCE

FASTEST TRUCK ALIGNER

JUMBO 3D 3X L



- Multi-Axle Alignment
- High productivity
- Multi-bay operation

Lift Version

JUMBO 3D 3X L

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



Automatic camera beam movement to perform alignment on a lift or pit

AUTOBOOM

INDUSTRY 4.0

Powered by Industry 4.0 - Alignment centers can now optimise wheel alignment data thru effective connectivity using internet for centralised operation.

Suitable for

- ✔ Four Post Lifts
- ✔ Scissor Lifts
- ✔ Platform Lifts
- ✔ Alignment Pits



Optional - Secondary Monitor

Alignment Results in 3 mins

HIGHER PRODUCTIVITY

Multibay Operation

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.





Alignment can be performed up to 3 axles on alignment lift, ***simultaneously*** and up to 6 axles on alignment pit, ***sequentially***.

Display of live readings helps technician to fix the alignment in real time.

MULTI AXLE ALIGNMENT

Lift Version

INNOVATIVE 3D IMAGE PROCESSING TECHNOLOGY



- Latest Technology
- HD Cameras
- Long distance coverage
- Accurate measurements
- Stationary camera eliminates frequent calibration due to accidental fall or mishandling
- Direct Power supply - No battery charging / discharging issues

EASY RUNOUT COMPENSATION NO PUSHING / NO LIFTING

- Runout measurements by driving the vehicle
- No vehicle pusher
- No lifting of axles
- Quick results, high productivity



ONE SHOT CASTER SWING



- Single Shot Caster Swing for Twin Steerable axles *
- 7 tons capacity Turn tables *(2 Nos Standard)*
- Fixed identifiable targets. No need to remove and refix the targets for each axle

** Optional Turn tables*

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
- Light weight, durable & easy to handle

MULTIPLE VEHICLE COMPATIBILITY

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



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

Lift Version

SMART SUPPORT



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.

UNIVERSAL WHEEL CLAMP



Suitable for 15" – 28" rim diameter.



Outer : 15" – 28"
Inner : 15" – 24"



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

TRAILER ALIGNMENT



- Simultaneous alignment of Trailers up to 2 Axles in reverse parking.
- Sequential alignment of Trailers up to 3 axles by reverse parking

HIGH PRODUCTIVITY / LESS LABORIOUS

No. of trips to PC	1
Jack ups	0
Swapping of targets	0
Alignment Results	3 mins

ACCESSORIES STANDARD

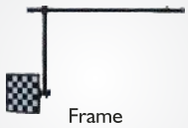
- Wheel clamps (15"-28")
- Target plates
- Rotary plates (7 ton)
- Steering lock
- Brake lock
- LED monitor (21.5") HDMI / DP interface
- PC console with Windows 10 IoT, Key board & Mouse
- Front target plate extension spacer 150 mm long
- Adaptor for rim locking pins with storage box
- Rear target plate extension spacer 300 mm long
- Target stands
- Truck alignment & Data Manager software
- Wheel stoppers
- Steering lock (LCV)
- Brake pedal lock (LCV)



ACCESSORIES OPTIONAL



Rotary plate ramp (for on-ground alignment)



Frame reference gauge



4 shaft calibration kit



Pusher / Tag axle Tie Rod lock



Drawbar gauge (Full trailer)



Alloy Wheel Rim locking pin

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CE EAC

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