

GENIE 3D

INNOVATIVE IN-LIFT 3D WHEEL ALIGNER

In-lift 3D Wheel Aligner
with **2 cameras** & **smallest front wheel targets**



MANATEC™
Partners in Progress

GENIE CAMERAS



- Genie is a creatively designed module that houses Hi-definition cameras and electronics to capture images of the targets on wheels.
- Each Genie has 1 camera, making Genie 3D the only aligner in the world using just 2 cameras for an in-lift model.
- Camera not required to be removed & refitted every time
- Cost effective design

MICRO TARGETS





- No electronics on wheels
- Less maintenance
- No Battery charge & discharge issues
- Safe & easy to handle



World's smallest target plates for front wheels.

- Extremely light & small
- 2 x size of a credit card
- Weighs only ½ Kg
- 70% lighter compared to other designs

QUICK ALIGN PROGRAM



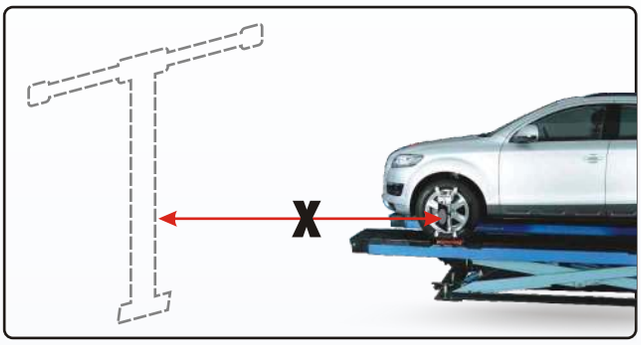
- Unique OEM wizard program helps to customize the screens
- Saves considerable time and increases the productivity of the alignment centre.

LIFT LEVEL COMPENSATION

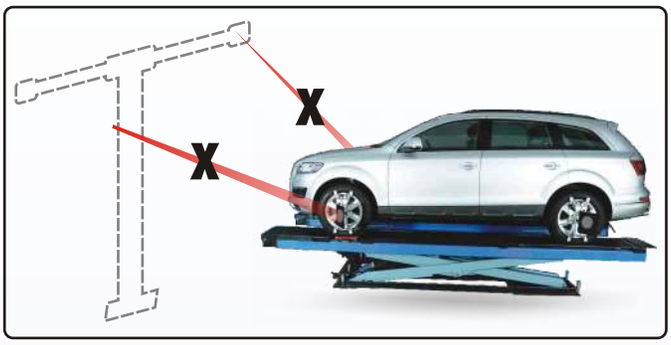


- Exclusive software takes care of automatic lift level compensation
- No additional sensors required

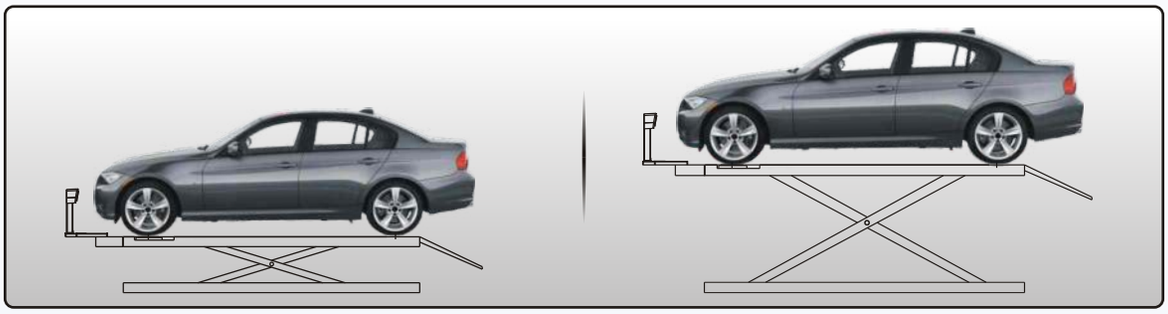
GENIE - UNIQUE ADVANTAGES



No fixed beam / column in front of the lift



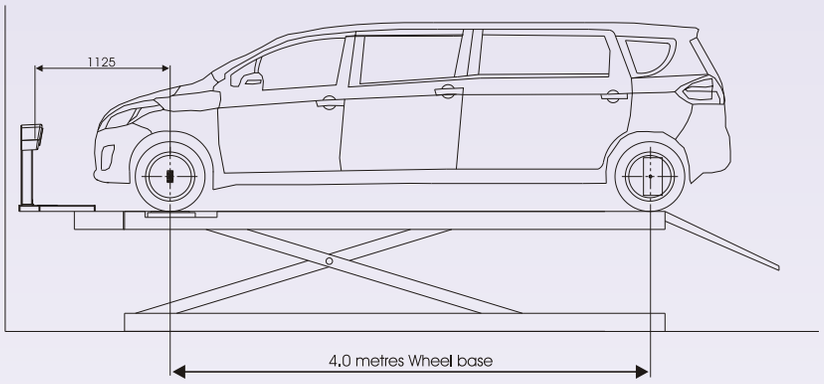
No obstruction of signals due to technician walking around

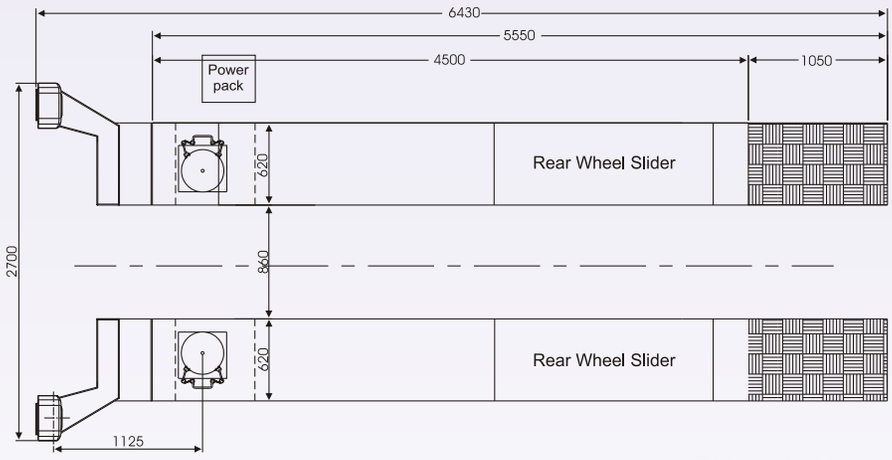


Measurement at floor level

Adjustment at any convenient height
No height restrictions

GENIE - SPACE SAVER





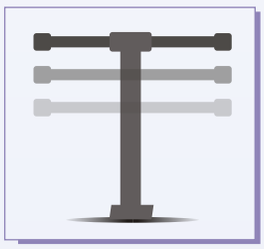
All dimensions in mm

- Requires the least space
- GENIE 3D can be installed in 12' x 20' space
- No need for minimum distance between Wall and the lift

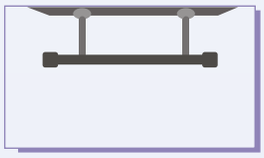
NO COLUMNS!!



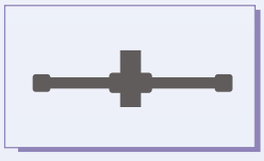
No vertical column



No motorized lifting



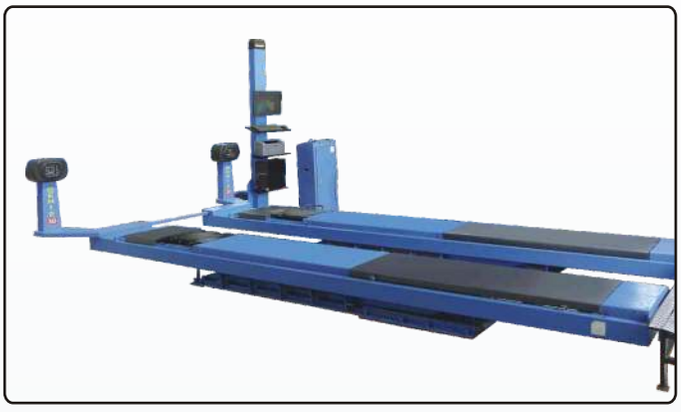
No ceiling mounting



No wall mounting

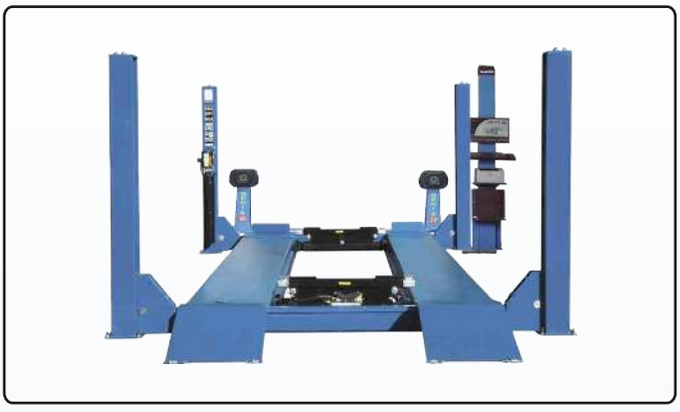
- Eliminates customised installations
- No vertical column & horizontal cross bar obstruction in front of lift

GENIE ON ALIGNMENT LIFTS



Genie 3D mounted on Wheel Alignment Scissor Lift

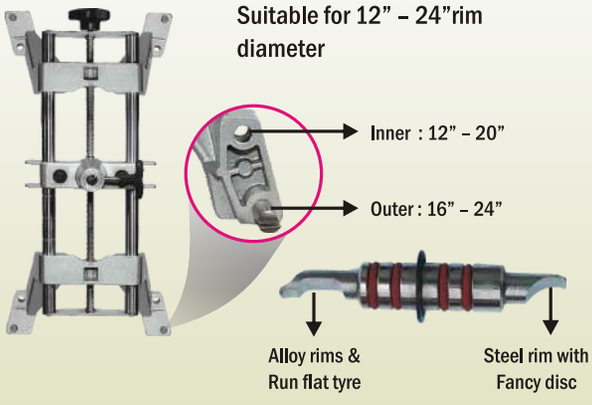
- 3.5 tons / 4.5 tons capacity
- In ground / On ground installation
- Double scissor lift / Centre jack option



Genie 3D mounted on 4 Post lift

- 4.5 tons capacity
- On ground installation
- Wheel free jack 2 ton capacity

Universal Wheel Bracket



SMART CONTROL - Optional

Tablet



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

Remote Control



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

Technical Specifications

Measurement parameters	Range	Accuracy
Camber (Front / Rear)	± 15° 00'	± 00° 02'
Caster	± 28° 00'	± 00° 02'
Kingpin Inclination	± 25° 00'	± 00° 05'
Toe (Front / Rear)	± 20° 00'	± 00° 01'
Total Toe	± 40° 00'	± 00° 02'
Toe Out on Turns	± 25° 00'	± 00° 02'
Setback (Front / Rear)	± 25 mm	± 1 mm
Thrust angle	± 05° 00'	± 00° 01'
Runout	± 10° 00'	± 00° 02'
Included angle	± 40° 00'	± 00° 05'
Track width difference	± 300 mm	± 5 mm
Power supply (wheel Aligner)	230V AC, 50Hz / 110V AC, 60Hz	
Power supply (lift)	380V AC, 3 phase, 50Hz / 220V AC, 3 phase, 60Hz	
Operating temperature	0° - 50°C	

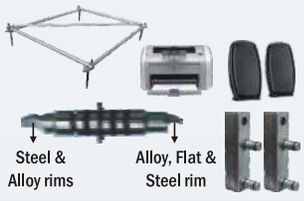
Standard Accessories

- Target Plates – 4 Nos.
- Wheel brackets (12" - 24") – 4 Nos.
- Rotary Plates - (2 ton) – 2 Nos.
- Steering Lock – 1 No.
- Brake Pedal Lock - – 1 No.
- Wheel stoppers – 2 Nos.
- PC with LED Monitor, Keyboard & Mouse
- Align+ & Data Manager Software



Optional Accessories

- Four shaft Calibration kit – 1 No.
- Printer (Inkjet or Laser) – 1 No.
- Multimedia Speakers – 2 Nos.
- Wheel Bracket adapters (10"-26") – 16 Nos.
- Rim locking pins – 16 Nos.



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