

## PROFESSIONAL 2 CAMERA 3D WHEEL ALIGNER

MODEL - PWL-3290



- **SPECIALE** Wheel Alignment System is designed to take measurements and perform alignment on steerable and unsteerable wheels in automotive dealer workshops, car service stations, tyre shoppes and diagnostic centers
- The operation of the Wheel Aligner is based on measurements of wheel axis angle parameters by digital video cameras and high-precision image targets.
- The equipment features Tyre Clamps for quickest clamping saving time and without touching rim ensuring no scratch damage to the aluminium rims

### HIGHLIGHTS - ULTRA LIGHT WEIGHT TYRE CLAMPS - ON WHEEL

- Quick Clamping
- Self Centering 3 Point Clamps
- Quick Locking Unit



# HIGHLIGHTS

SPECIALE Software is a powerful and modern means of checking and controlling wheel alignment

Continuous data processing and measurement displaying

Easy operating away from the monitor with colour indicators



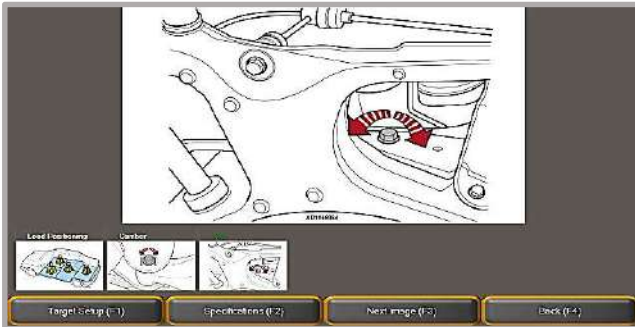
Automatic parameter assessment of compliance with specifications

Quick access to other program modes

# HIGHLIGHTS - SOFTWARE



Database Image View



Rolling Compensation mode

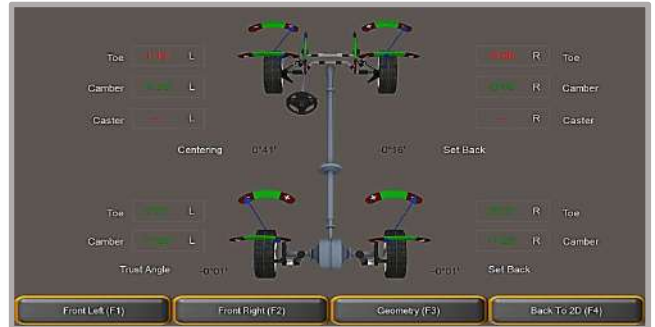


2 D Adjustment Mode

Measurement Mode



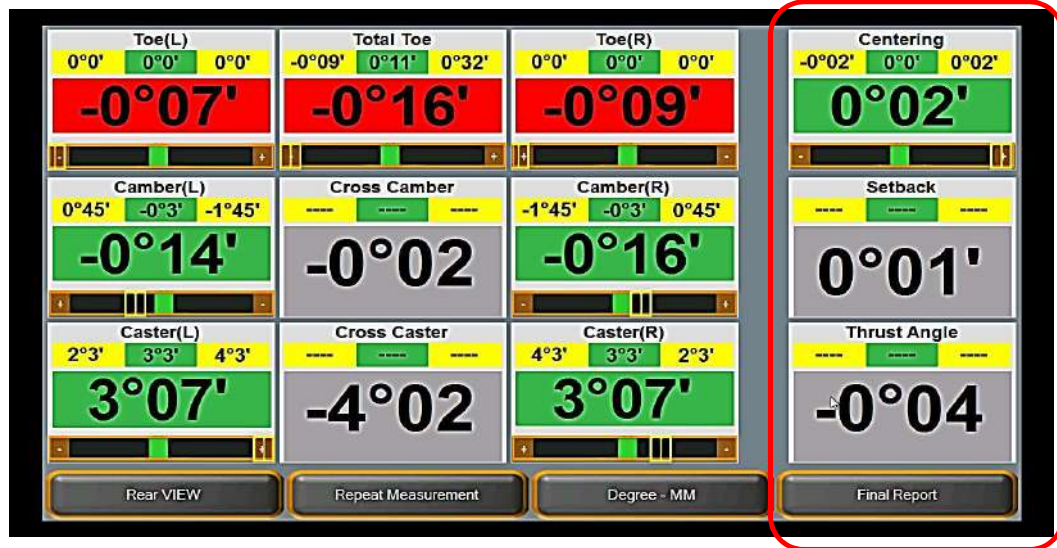
3 D Adjustment Mode



3D Visualization, 7 modes Report Mode



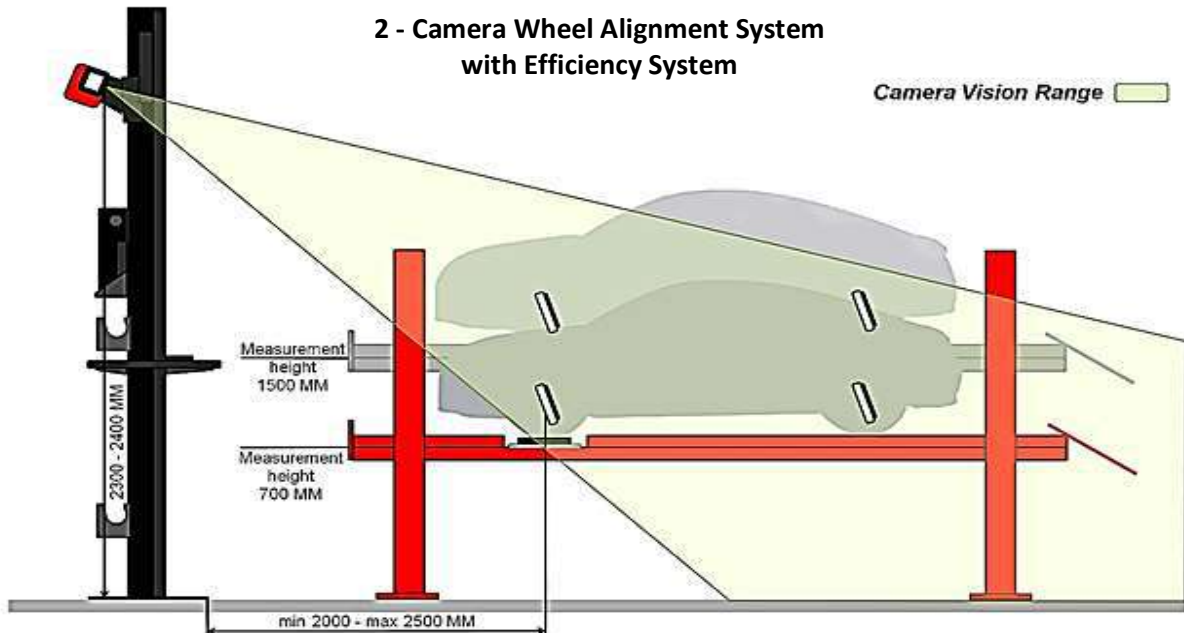
## HIGHLIGHTS - SOFTWARE



### CENTERING FUNCTION

The centering function allows to accurately set the front TOE value, within the prescribed tolerance, so that the vehicle goes straight; saving on repeat jobs

## HIGHLIGHTS



The 2-camera Wheel Aligner allows to take measurements and perform alignments on the lift in the range of lift heights of 900 to 1700\* mm from the floor level

## HIGHLIGHTS - LIGHT WEIGHT TARGETS

### 2-camera Wheel Alignment System MACHINE VISION SYSTEM



HD cameras allow a quick and reliable target "capture" and a high image transfer to PC over TCP/IP

Special software promotes high-precision recognition of targets in space on the basis of received images

### TARGETS



Compact and easy targets

One target for each wheel

Easy to handle

The front panel is protected with a rubberized border

No Electronic components

**HIGHLIGHTS - ULTRA LIGHT WEIGHT TYRE CLAMPS**



**LONG CLAMP**  
 Clamping Size of Short Arm - Range 470~720mm  
 Clamping Size of Long Arm - Range 890~1100mm

**SHORT CLAMP**

**TYRE CLAMP MOUNTED - ON WHEEL**

04 Nos.- Self-centering Tyre Clamps

**SPECIALE WITH CUSTOMISED NAME OPTION**



**SPECIALE DESIGNED WITH DOME FINISH TABLE TOP**

Available in selected colours

**OPTIONAL**

- 1.7m Long Professional Sliding Plates
- Calibration Kit
- Printer

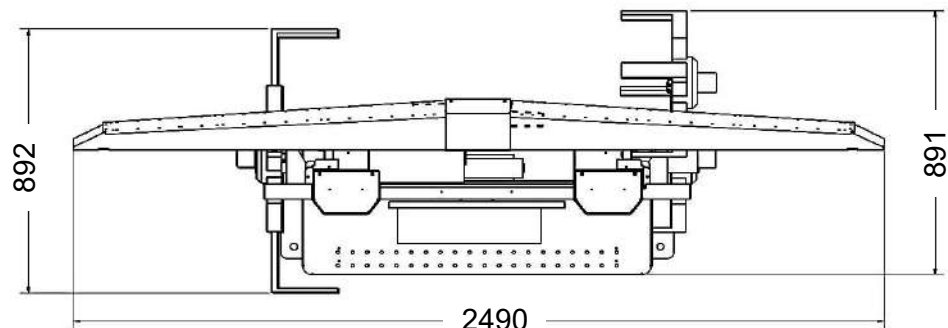
**TECHNICAL SPECIFICATIONS**

Front Wheel Alignment	Measurement
Camber Angle	± 8,00°
Front Axle Total Toe Angle	± 5,00°
Caster Angle	± 19,00°
SAI / KPI	± 19,00°
Lock Angle	± 45,00°
Front Wheel Alignment	Measurement
Camber Angle	± 8,00°
Rear Axle Total Toe Angle	± 5,00°
Rear Individual Toe Angle	± 19,00°
Symmetry Angles	Measurement
Front Set Back	±2,50°
Rear Set Back	±2,50°
Thrust Angle	±2,50°
Geometrical Driving Axis	±2,50°

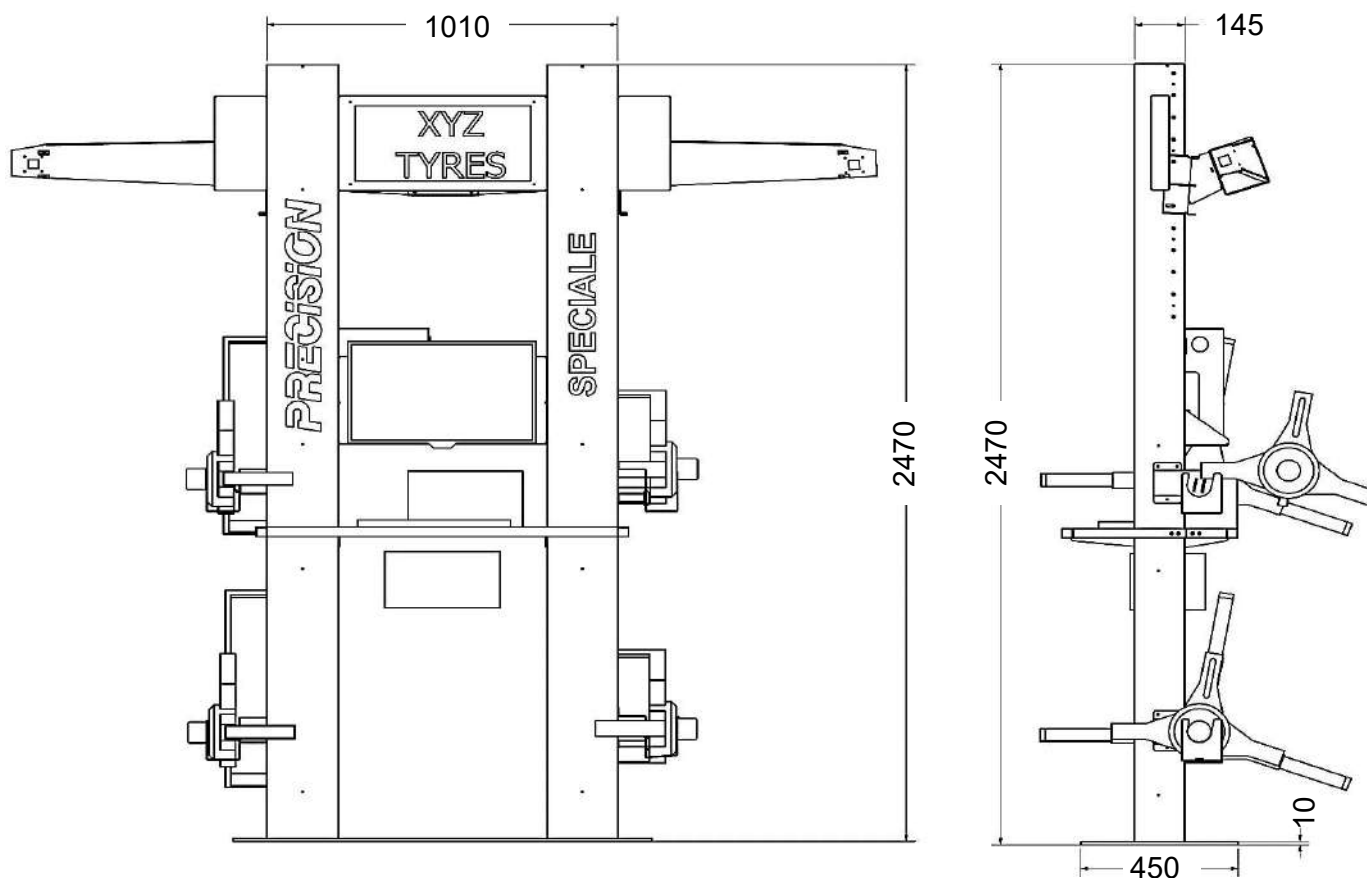
## TECHNICAL SPECIFICATIONS

Power Supply	1 Phase, 230 Vac. - 50/60 Hz
Absorbed Power	500 W
Noise level in working conditions	< 70 db (A)

## DIMENSIONS



TOP VIEW



FRONT VIEW

SIDE VIEW

\* Specifications subject to change without notice

\*\* Images shown are for representation purpose only. Accessories & features shown in the picture may not be part of the standard equipment

## PRECISION TESTING MACHINES PVT. LTD.

HEAD OFFICE: S-12, Okhla Industrial Area, Phase - II, New Delhi - 110 020 (India)

Tel.: 011-4161-0000 (4 lines), 2638-6612 Fax: 011-26383790

E-mail : [sales@precisionworld.net](mailto:sales@precisionworld.net) / [service@precisionworld.net](mailto:service@precisionworld.net) / [www.precisionworld.net](http://www.precisionworld.net)



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