



# V3D<sup>1</sup> Platinum

## Imaging Alignment System



บริษัท สยามกลการอะไหล่ จำกัด

Siam Motors Parts Co.,Ltd.

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**The Pioneer in Vehicle Alignment Technology**





# V3D<sup>1</sup> Platinum

## More Alignment Services, More Profits Everyday. Here's Why.



**Under 2 Mins!!!**

### V3D imaging

Patented technology delivers lightning-quick alignment readings within 2 minutes after setup.

### No run-out compensation & jacking required

V3D does not require a leveled surface unlike CCD systems. It gives accurate readings even on uneven ramps.

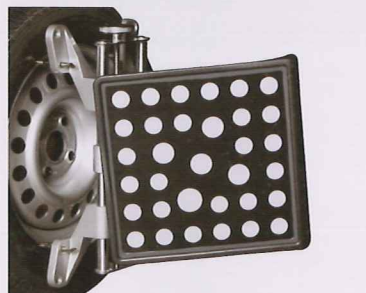
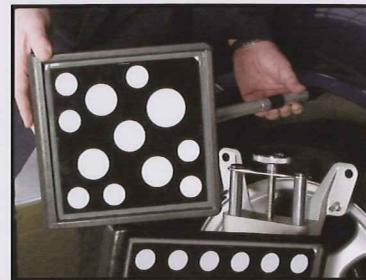


### Vehicle Orientation Directional Indicators V.O.D.I.™

Ideal during the alignment process when the PC monitor is blocked from view to provide continuous guidance.

### Ride Height Target-TIP (optional)

Simple and quick ride height measurement is possible with the accurate Target Imaging Pointer. Automatic data input saves time and cost.

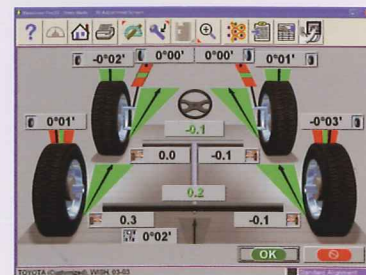


### No batteries, no electronics and no messy cables

The targets are made of impact- and corrosion-resistant materials. They are maintenance-free and extremely durable.

### "LIVE" 3D measurement

No delay, immediate angle values updated on-screen as adjustments are made. Time-consuming re-measurement is a thing of the past.



### Wheel clamps

Quick setup, highly-versatile and accommodate wheel diameters from 11" to 22" (up to 26" with optional extensions).

### 3D animation graphics

Provide vehicle specific adjustment information, spare parts required and the use of special tools where applicable.

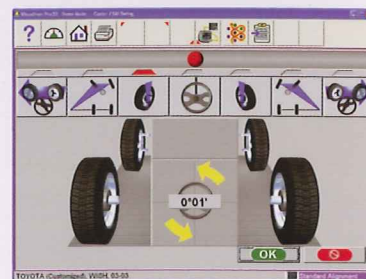


### Interchangeable grippers

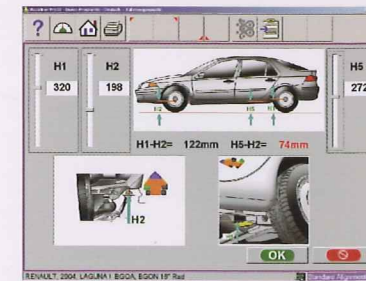
The wheel clamps can be used for both alloy and steel rims alike. Plastic hub caps can also be left in place during alignment.

### User guidance

Self-explanatory menu guidance and the use of unmistakable symbols and colors reduce input errors.



## Special Features

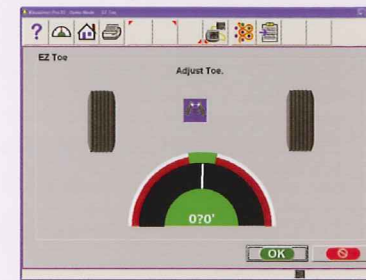
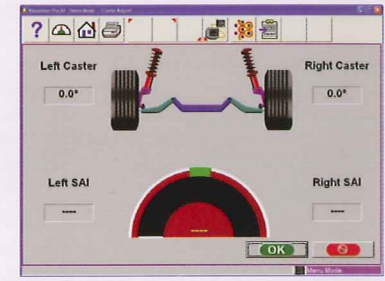


### OEM vehicle specs

Complete OEM-specific vehicle specs and information of more than 20,000 models over the past 30 years.

### Cradle adjust

A feature rarely found on other aligners. Engine cradle is increasingly used as part of the suspension system on FWD cars and has an effect on the camber and SAI while on the move thus affecting handling.

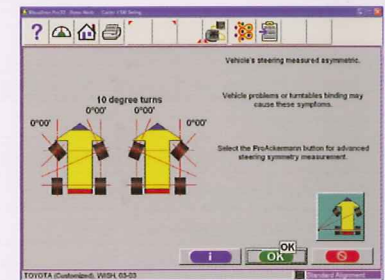


### EZ Toe

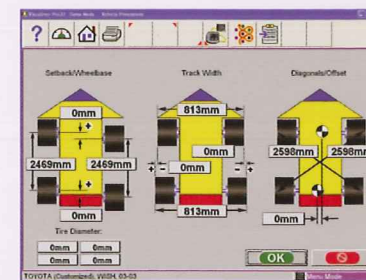
A powerful tool for convenient toe adjustment with the wheel at maximum steering angle, virtually without having to repeat the same procedure again whenever the opposing wheel is adjusted.

### Caster-SAI Swing

Both Steering Axis Inclination (SAI) and Included Angle (IA) are measured together with Caster. These values will indicate the condition of the suspension components.



## Diagnostics and Vehicle Modifications

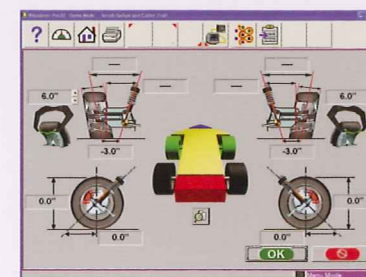
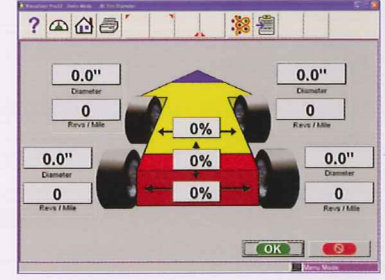


### Vehicle dimensions

Ideal for verifying if a vehicle has been involved in a collision. A distorted chassis will not only have problematic handling and high wear-and-tear issues, but also dangerous to drive on the road.

### Tire diameter

The vehicle will tend to "pull" to one side if there is a mismatch of tire sizes and adversely affect handling and increases wear and tear. This tool helps in fine-tuning handling performance.

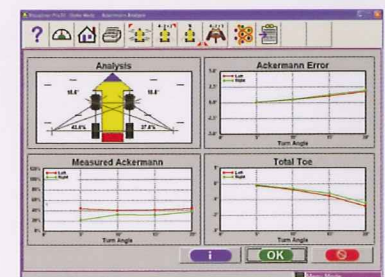


### Scrub radius and Caster trail

Important parameters for adjusting steering feedback, response and effort which in turn affect vehicle stability.

### ProAckermann™

Used for diagnosing bent or damaged suspension parts but is also exceptionally useful for car modifications. Any changes to the suspension setup and the resulting vehicle dynamics can be immediately known.







## STANDARD ACCESSORIES



Brake Depressor



Steering Wheel Holder



Wheel Chocks

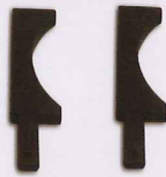
## OPTIONAL EXTRAS



Premium Turntable  
EAK0277J55A



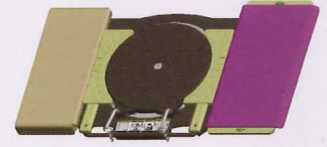
Dust Cover Kit  
EAK0277J57A



Paddle Kit  
EAK0277J28A



WT LG Saddle, Z/Rear Ramp  
EAK0277J40A



WT LG Saddle, Roll Forward  
EAK0277J47A

## FEATURES

### General

- Windows® Operating System
- Multiple Language Support – 28 in total
- User Login
- Customer Database (Backup / Restore)
- Customer Database Network Sharing
- Splash Screen Selection
- Vehicle Inspection & Report (Inc Customize)
- RCP & TIP History (Backup / Restore)
- Aligner System Diagnostics
- V3D / CCD Sensor Switching
- Shop Management Interface
- VoiceAlign™ (Option)

### Measurements

- VSA - Vehicle Sensitive Alignment
- Live Caster, Camber & Toe (Inc Elevated)
- Toe Out of Turn / Maximum Turning Angle
- Caster & SAI on Turntable / Elevated
- Automated Ride Height
- Camber at Zero Toe
- Toe Curve Change
- Automatic Caster Swing
- Forward & Split Rolling Compensation
- Single Wheel Positioning
- Two-Wheel Alignment (front only)
- MKS Features

### Self-Help Tools

- Integrated Help System (PDF format)
- 3-D Animated Adjustment Aid
- Tools, Parts & Adjustment Instructions
- MAP Standards

### Adjustments

- A-Arms Adjustment
- Cradle Adjustment
- Drag Link Adjustment
- Single Tie Rod Adjustment
- Wheel-Off Adjustment (Option)
- EZ-Toe

### Specs & Procedures

- Multiple Alignment Wizard (Inc Customize)
- OEM Wizard Selections
- Modification Wizard
- OEM Vehicle Specification – 30+ years
- Customize Vehicle Specification

### Special Programs

- Shims & Kit
- NorthStar Shims Program
- Offset Cam Bushing Program

### Diagnostics

- Vehicle Dimensions™
- ProAckermann™
- Scrub Radius & Caster Trail
- Tire Diameter

**Snap-on® Equipment**