

i4wheels: 4 Wheel Aligner



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i4wheels – Introduction

The i4wheels computer wheel aligner represents a new era in design and functionality. The logo and name was chosen to interact with the design. Together with the functionality of i4wheels, one can definitely say that it has an eye for all 4 wheels.

For the V-Tech development team two aspects was considered during development - simple design and easy to use.

The i4wheels prove to be the best quality/price computer wheel aligner on the global market.



Technology applied

All angles are measured by means of the 8-sensor CCD camera system with a measuring range of +/- 25 degrees – we call it 20/20 vision. No electronic turntables are needed since the caster swing is measured at either 10, 14 or 20 degrees for high accuracy by use of the CCD cameras.

The 4ever level model has an integrated electrical engine to keep the measuring head in level at all times – that eliminates time consumed for running around the car numerous times during measurement and adjustment.

Standard is the V-Tech Win software – easy and fast to use. Excellent graphics makes the software comprehensive and calm for the eye. For service purposes the i4wheels measuring head is calibrated individually. This offers a huge advantage in servicing for both the customer and provider. Downtime can be avoided by sending a new measuring head to exchange for the measuring out of function. The integrated electronic engine makes rolling run-out compensation just as easy as with 3D wheel aligners.

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Full overview of adjustment possibilities

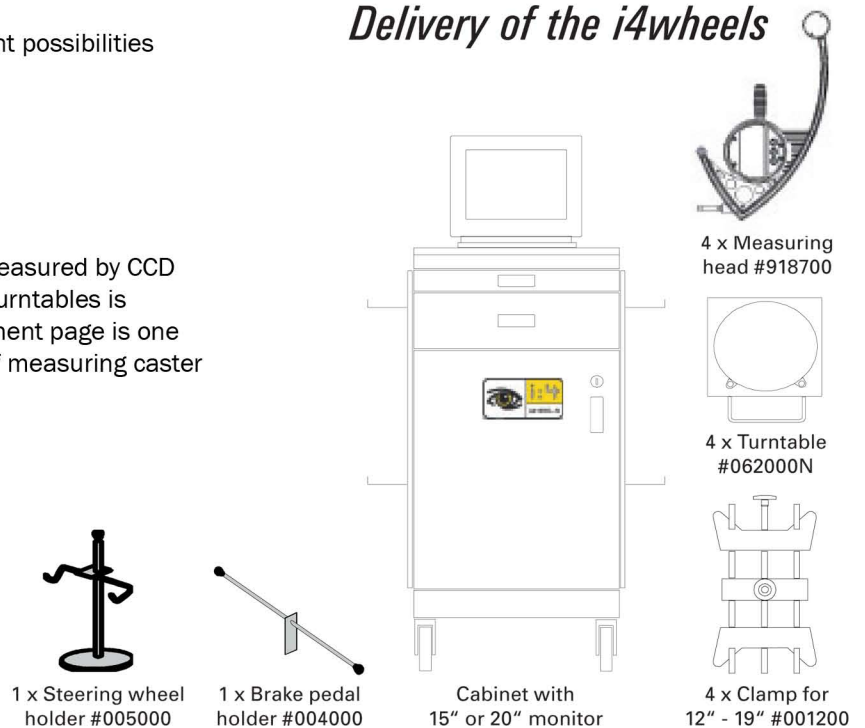


Up to +/- 20 degrees is measured by CCD cameras – no electronic turntables is needed. Caster measurement page is one page with a flexible way of measuring caster and king-pin



Comprehensive guides for preparatory works

Delivery of the i4wheels



Technical Details

| | Accuracy | Measuring range | Total measuring range |
|-------------------|----------------|-----------------|-----------------------|
| Front Axle | | | |
| Total toe | +/- 2' | +/- 10° | +/- 40° |
| Individual toe | +/- 1' | +/- 10° | +/- 25° |
| Set-back | +/- 2' | +/- 10° | +/- 25° |
| Camber | +/- 2' | +/- 5° | +/- 10° |
| Caster | +/- 5' | +/- 5° | +/- 10° |
| King-Pin | +/- 5' | +/- 5° | +/- 10° |
| Rear Axle | | | |
| Total toe | +/- 2' | +/- 10° | +/- 40° |
| Individual toe | +/- 1' | +/- 10° | +/- 25° |
| Set-back | +/- 2' | +/- 10° | +/- 25° |
| Camber | +/- 2' | +/- 5° | +/- 10° |
| Thrust Angle | +/- 2' | +/- 5° | +/- 20° |
| Weight Sensor: | 6 kg/head | | |
| Total weight: | app. 150 kg | | |
| Volume: | app. 1,246 cbm | | |