



### Wheel Alignment for passenger's cars and LCVS, 3D Camera Imaging

Wheel Alignment for passenger's cars and LCVS, 3D Camera Imaging. Designed for high-volume shops, provides high quality measurements in very short time, increasing your productivity.

#### Description

CWA21, new **3D wheel alignment system**, completely new product for GIULIANO and its range, embodies state of the art alignment features, provides accurate measurements and allows working much more efficiently and faster. New automated 3D measurement system and durable checkerboard type targets are less fragile compared to CCD sensor heads. Two high resolution instant imaging 10Mpx USB 3.0 cameras provide real time image and **Feather Rollbar** system guarantees easy adjustment of cameras' height by hand with no effort and waste of time.

#### Functions

- Vision based **3D** Imaging technology using 2 High Performance SI (Scientific Image) Camera;
- Simultaneous Front and Rear wheel alignment (4 × 4);
- Push Pull Runout compensation, set Back and thrust angle;
- Lift level compensation at adjustment level;
- Unlimited memory for vehicle specifications;
- Option for selection of vehicle specification during alignment;
- Power failure data protection;
- Automatic tracking of Left & Right turns for Caster/Kingpin measurements;
- Adjustment of Camber in wheel Jacked-up position & Toe curve measurement;
- Rear Setback & Track width difference;
- Toe adjustment in single Tie rod vehicle, Vehicle geometry measurements;
- Effortless Toe (Easy Toe) adjustment program;
- Camber measurement at Zero Toe;
- Drag link adjustment;
- Toe out on Turns & Lock angle measurements;
- Zoom in option for live parameters;
- Two Colour Bar display for adjustment of all angles;
- Data Manager Software for storing alignment results;
- Customer Address in printout & customer data edit option;
- 3D Pictorial & Two color text printout;
- Two wheel Alignment program by fixing only front target plates;
- **Feather Rollbar** system for easy and user-friendly adjustment of cameras' height by hand.

**Giuliano Industrial S.p.A.**

Standard Features

Camber (Front/Rear)	± 15° 00' (± 00° 02')
Caster	± 28° 00' (± 00° 05')
Kingpin Inclination	± 25° 00' (± 00° 05')
Half Toe (Front/Rear)	± 20° 00' (± 00° 02')
Total toe	± 40° 00' (± 00° 04')
Toe out on turns at 20°	± 20° 00' (± 00° 02')
Setback (Front/Rear)	± 25 mm (± 2 mm)
Thrust angle	± 05° 00' (± 00° 02')
Runout compensation	± 10° 00' (± 00° 02')
Included angle	± 40° 00' (± 00° 05')
Track width difference	± 300 mm (± 5 mm)
Power supply	230V AC, 50 Hz / 110V AC, 60 Hz
Power consumption	200W (without printer)
Operating temperature	0 - 50°C



Standard accessories



Standard accessories



Standard accessories



Standard accessories



Standard accessories



Standard accessories



Standard accessories



**DB CWA** (9640579)  
Extended Database



**LCD32** (9645077)  
LCD video monitor 32"



**PRINT** (9645075)  
Colour Printer



**CWA-EXT** (9645076)  
Set of clamp extensions (10"-28")



**CWA-SET** (9645078)  
Calibration set



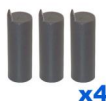
**TRI-CLAMP** (9628432)  
Kit of 4 NO-ROC clamps with 3 grip points,  
Measuring range: 10"-21", including 12 feeler  
rods L=58 mm.



**TRI-EXT** (9627418)  
Kit of 12 extensions for NO-ROC clamps  
extending range up to 25" (max. wheel  
diameter = 803 mm.).  
To be matched to **9628432**.



**TRI-S** (9627419)  
Kit of 12 short feeler rods for NO-ROC clamps.  
To be matched to **9628432**.



**TRI-L** (9627420)  
Kit of 12 long feeler rods for NO-ROC clamps.  
To be matched to **9628432**.

**TRI-C** (9627421)  
Kit of 12 shaped feeler rods for NO-ROC  
clamps.  
To be matched to **9628432**.



**TRI-E** (9635955)  
Kit of 12 shaped feeler rods for arched spokes  
rims, valid for NO-ROC clamps.  
To be matched with **9628432**.



**TRI-XL** (9627422)  
Kit of 12 extensions for feeler rods L=58mm.,  
for NO-ROC clamps.  
To be matched to **9628432**.



**TRI-SPECIAL** (9627423)  
Kit of 20 grippers for NO-ROC clamps, including  
side holes measuring gauge, for use on  
Mercedes-BMW rims with 5 holes.  
To be matched to **9628432**.



**TRI-SMART** (9627424)  
Kit of 4 adaptors for NO-ROC clamps, for use  
on Mercedes-Smart rims.  
To be matched to **9628432**.



**TRI-P** (9627425)  
Kit of 8 bushes for NO-ROC clamps, for use on  
Porsche rims.  
To be matched to **9628432**.



**TPV** (9627410)  
Kit of 2 front turntables, 40mm. h. Max.  
capacity: 2000 kg. (axle). Dimensions:  
355x355x40h mm.



**TPT** (9630647)  
Kit of 2 front turntables, 50mm. h. Max.  
capacity: 3500 kg. (axle). Dimensions  
460x454x50h mm.

Scan QR code to go to product web page



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