

geoliner® 680 and geoliner® 780



3D wheel alignment

Wheel alignment in three dimensions



Accurate



The high-definition cameras have a wide viewing angle. All vehicle specs are supplied directly from the OEMs and are, therefore, complete, up-to-date and accurate.

Since 1931 a partner to automotive and tyre industries Hofmann are part of the efficient, powerful Snap-on Group. Always pioneering new technologies, Hofmann offer highly accurate high-quality 3D wheel aligners.

The 3D wheel aligners of the geoliner series use the latest camera and computer technology which have the added benefit of high precision and impressive speed. Furthermore maintenance of the equipment is reduced to a minimum as the sensitive measurement technique is at a safe distance from the vehicle where mechanical adjustment procedures are always a potential source of danger.

The wide-spread European service network and our professional training centre guarantee technical know-how from the initial training to telephone support.

High quality



As the 3D wheel aligners take the measurement in the three-dimensional space and not with reference to the horizontal, requirements to a levelled lift are lower than for conventional aligners. The machines have an intelligent self-diagnostic function, the software automatically detects and signals hardware defects and errors in operation. Measurement routines for specialists round off the comprehensive user software package, for example caster trail or scrub radius measurement, which is required for exact diagnostics of collision repair, or for tuning cars.

Time-saving



Compared with a conventional aligner the use of a 3D aligner saves a lot of time – once the four targets are fitted to the wheels a few seconds are enough to complete measurements. Consequently more measurements can be carried out every day and your investment pays off within short. Customised procedures are easy to define, adjusting aligner operation to the user's preferential sequences.

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High user comfort in the software features



During 3D measurement the cameras detect the target positions in the three-dimensional space. This is the basis for the special Pro32 software to calculate the exact vehicle alignment data.

Although very comprehensive the software is extremely easy to operate; a few training lectures are enough for the user to properly handle the 3D aligner. With its intuitive features the software mostly prevents mistakes from user's end as it signals at once whenever an obvious mistake has been made.

3D measurement screen



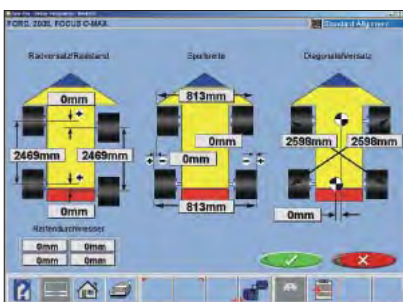
All data measured is shown in a conspicuous 3D graphics to allow easy overall diagnostics.

Up-to-date OEM vehicle specs



Complete vehicle specs and vehicle-related information assists the user even when handling less conventional vehicle types. The specs of more than 25,000 car models of the past 25 years are all at user's disposal.

FrameCheck®



The automatic measurement of vehicle dimensions simplifies the analysis of the vehicle's overall condition (e.g. cross-dimensional measurement).

3D animated graphics



Easy-to-understand on-line help guide the operator through vehicle-specific adjustments, supplying useful information on spare parts and special tools.

Target imaging pointer (optional)



The TIP – a mobile target – was developed to perform a time-saving ride height measurement. The system can be switched over to conventional ride height measurement without any problem at any time.

geoliner® 680



In addition to the advantages of 3D alignment as already pointed out before, the geoliner 680 includes special OEM procedures to carry out alignment on the basis of OEM requirements

Operation of this 3D aligner is absolutely simple as the measurement program proceeds automatically so that only few manual inputs are necessary, which minimises the risk of input errors considerably.

There is no need for run-out compensation, it is enough to roll the vehicle shortly forward and backward. This procedure can also be used for those vehicles that must not be lifted for wheel alignment. The extremely short positioning distance increases the flexibility of the work place and minimises investments.

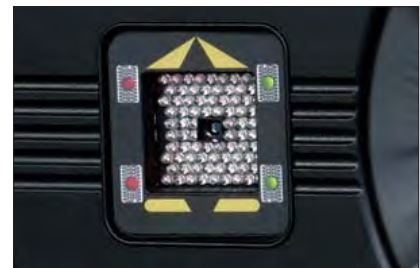
Camber, caster and toe are measured constantly and read out on the screen so that the operator need not repeat measurement several times. This is also possible with the wheels demounted, which proves most useful on cars with difficult access to adjusting elements.

The 3D aligners are compatible with the



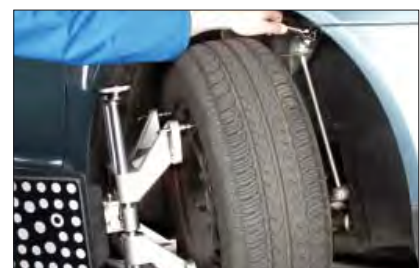
Networking in a dealer management system helps to optimise workshop procedures, consequently saving time and money. Irrespective of networking the customer data can be imported and exported and used for other applications in the workshop.

Sophisticated camera technology



The LED colour display views all the important information, making alignment uncomplicated and time-saving as the user no longer has to watch the screen.

EZ Toe®



EZ Toe is a feature to carry out adjustment conveniently with the wheel at maximum steering angle, avoiding any tedious adjustment inside the wheel house.

geoliner® 780



This wheel aligner combines all the advantages of *geoliner 680* with added benefits for the professional user.

The *geoliner 780* is a self-synchronising system supplying accurate measured data in any position at any time.

The cameras feature the DigiSmart system, automatically focussing the targets, fully synchronised with the lift. Owing to the adjustable cameras even extremely small or large vehicles can be measured without any problem.

Thanks to the two independent camera beams this aligner is ideally suited for drive-through solutions and can, therefore, be perfectly used in the check-in bay of the workshop.

Wheel clamps



User-friendly through practical quick clamps, corrosion-proof through partly chrome-plated surfaces, and a clamping range of 11" – 22" (up to 26" with optional extensions). The wheel clamps are optimised for European vehicles and can be fitted without any problem both on extremely small and large rims.

Reversible rim claws



Thanks to the reversible rim claws the wheel clamps can be used both on steel and alloy rims. Plastic wheel caps can be left on the rim during measurement. This saves time and preserves rims and wheel caps.

geoliner accessories – the systematic up-grade



Calibration kit
89612



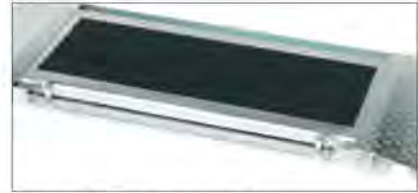
Mechanical turntables, front end
38 mm 00072
50 mm 85906



Slip plate, short, rear end
85908



Target imaging pointer
EAKO256J71A



Slip plate long, rear end
86646

Standard equipment	680			780
	1	2	3	
2 short supports (pit version)	•			
2 tall supports (work level approx. 1.2 m)		•		
Camera beam lift (work level approx. 0 – 2 m)			•	
2 camera beams with self-synchronising cameras				•
PC with user software, vehicle specs, Windows operating system, mouse pad, HDD, DVD and floppy drive	•	•	•	•
19" TFT flat screen	•	•	•	•
A4 colour printer with data lead and power cord	•	•	•	•
Loud-speaker	•	•	•	•
IR remote control	•	•	•	•
Steering wheel holder	•	•	•	•
Brake pedal lock	•	•	•	•
Camera beam left/right with camera system	•	•	•	
Mobile cabinet	•	•	•	•
Wheel clamps 11" – 22" with front targets (1 LH, 1 RH)	•	•	•	•
Wheel clamps 11" – 22" with rear targets (1 LH, 1 RH)	•	•	•	•

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