



Description

Discover the revolutionary *VisiScan* 3D probe from VisiCon and experience the future of wheel alignment! With almost 4,000 3D sensors (brand names *dPP* or *x-3Dprofile*) in use worldwide, VisiCon is the global market leader for non-contact optical measurement technology in wheel alignment.

In order to live up to our claim as a technology pioneer, we are setting new standards in the precise, **simultaneous measurement** of toe, camber and wheel house height with our newly developed *VisiScan* 3D probe. Four highly dynamic laser scanners specifically illuminate only areas relevant for measurement (e. g. tire sidewall, wheel house edge), but not the rims or spaces between the rims. The sensor therefore prevents any contact between the worker and disturbing scattered light and offers all-round **optical protection** during wheel alignment, while at the same time highly reflective rims pose no problem.

Unlike measuring systems that work with blue LED light, the class 2M lasers in our system do not require any special risk assessment in terms of photobiological safety to protect workers from artificial optical radiation (DIN EN 62471:2009).

While retaining the proven stereophotogrammetric measuring principle, the *VisiScan* solves the most **demanding measuring tasks**, regardless of tire size or rim type. By selectively generating only relevant measuring points, a high signal-to-noise ratio is achieved. The reliable VisiCon software **quickly and precisely** generates a 3D image from the recorded points and calculates the chassis parameters such as toe and camber.

The *VisiScan* can be easily integrated both mechanically and electrically into existing systems with *dPP* sensors. It is compatible with the existing calibration targets and the *VisiWheAl* software.

Discover the future of wheel alignment with VisiCon and benefit from maximum precision and efficiency! Visit us on our website at www.visicon.eu or contact us on +49 5508 9862-0.

Benefits for our customers

- **Cycle time savings** thanks to simultaneous measurement of toe, camber and wheel house edge height with just one measuring device
- **Protection of workers** from scattered light through selective illumination of the measuring range
- **No parameterization** due to automatic measuring range detection
- **Proven measuring principle**



VisiScan laser lines on tire

Order number

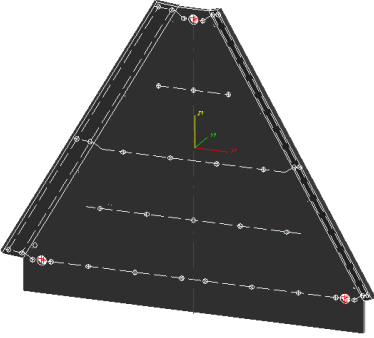
	Order number
VisiScan	B253163

Technical Data

	VisiScan
Dimensions (H x W x D)	744 mm x 300 mm x 125 mm
Weight	12,5 kg
Weight incl. packaging	approx. 13,5 kg
HS code	90319000
Power supply	24 V DC \pm 20 %
Starting current	<10 A
Power consumption	60 W (max. 100 W)
Measurement frequency	40 Hz (20 differential images per second)
Reproducibility on measurement standard	Toe \pm 0,1' Camber \pm 0,1'
Accuracy on measurement standard	Toe \pm 1' Camber \pm 2'
Protection type according to DIN EN 60529	IP 54
Laser class according to DIN EN 60825-1	2M
Wave length diode laser	658 nm
Operating distance	1000 mm \pm 200 mm, on request -300 mm or +400 mm
Operating area of the cameras (typical)	Height 690 mm, Width 800 mm (at 800 mm operating distance)
Illumination height on tire	corresponds to the field of view of the cameras
Interfaces	Ethernet 1 GB/s Communication GBit Interface Industrial connector: Harting
Temperature range	0-40 °C
Humidity	Up to 90 %, not condensing

Technical changes and errors reserved

Accessories

Image	Name and information	Order number
	Calibration target (4 targets required for equipping a master gauge)	B271691
	VisiWheAl software license	B293093
	VisiWheAl truck software license	B293095
	Training	On request
	Mounting	On request
	Measurement PC	On request