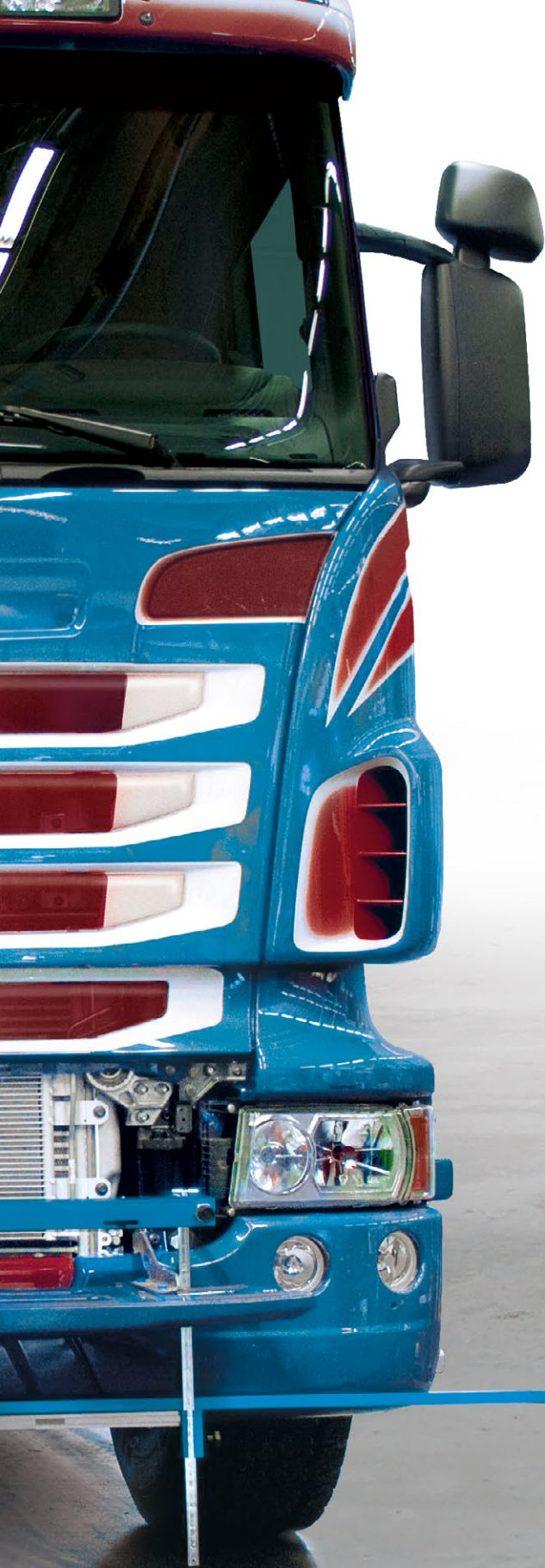




SILVER LINE

WHEEL ALIGNMENT SYSTEM



SILVER LINE INTRODUCTION

TRUCKCAM introduces Silver Line. This compact wheel alignment system enables truck- and bus workshops as well as tire service centers to offer wheel alignment services in a quick and accurate way.

WHEEL ANGLES like camber, caster KPI, toe, parallelism, and max turn angles are measured using TruckCam's patented camera technology with the chassis center line of the vehicle as reference.

THE DYNAMIC toe and camber measurements whilst in driving position is enabled by the unique TruckCam Rolling Method. No lifting of the axles with Run-Out compensation is required for this.

Of course the system also enables Run-Out compensation of wheel adaptors.

THE SYSTEM uses wireless technology for transmitting data between measurement units and the computer.

The computer program guides the user through the measuring process and prints out measuring reports of values, before and after alignment.

MEASUREMENT PRINCIPLE

THE TRUCKCAM Camera wheel Alignment system uses the centerline principle to determine the position of axles and individual wheels in relation to the centerline of the vehicle.

The centerline of the vehicle is determined by the self centering frame gauges hanged in the front and rear of the frame or body.

The reflective targets are placed at an equal distance from this centerline, creating an imaginary line on each side of the vehicle, parallel to it's centerline.





THE SYSTEM is designed to measure commercial vehicles like trucks, trailers, buses and light commercial vehicles. Each axle is measured individually by using the rolling method or measured after Run-out compensation.

The Silver Line system uses the standard TruckCam frame gauges TC-121 and wheel clamps TC-175 which enables the customer to upgrade the system to the All in One concept, only by replacing the camera's and software's application.

OPTIONAL wheel clamps, turn plates, bus adapter kit TC-126, can be added to measure multiple steered vehicles as well as buses. The Silver line is the best valued system for customers starting wheel alignment activities.

MEASURING DIFFERENT VEHICLE TYPES

THE TRUCKCAM Camera Wheel Alignment System with all its different adaptors and additions is able to measure every possible commercial (heavy duty) vehicle on the market.

FOR EXAMPLE, using the TC-126 Bus / Van adaptors to fit the frame gauges to the outside of the vehicle body simplifies measuring all kinds of vehicles with no

internal frame structure, like buses and vans.

THE TRUCKCAM Wheel Adaptor fits all rim sizes from 14" to 24", and thus the system in combination with the TC-121 Compact frame gauges is suitable for measuring light commercial vehicles like vans and minibuses, as the frame gauges can be altered in width.





MEASURING CASTOR, KPI AND TURN ANGLES

THIS MEASUREMENT is based on a single continuous movement of the wheels, from straight ahead position to maximum left, via maximum right position and back to starting position.

DURING THIS procedure the built-in gyroscope and inclinometer are constantly transmitting data to the computer, which calculates the castor, KPI and turn angles in different wheel positions. The whole procedure can be carried out in a matter of minutes.

FLEET CHECK

THE TRUCKCAM system with the rolling method is completely portable. It gives the possibility, for instance, to diagnose a fleet of vehicles outdoors as well as indoors in a very short time.

SINCE THE CAMERAS work only with light in the infrared spectrum, sunlight or indoor light have no influence, the system works in every light condition.



THE ROLLING METHOD

A DYNAMIC measurement is carried out just as the vehicle stands on the floor, with full weight on the axles, followed by rolling the vehicle so that the wheels turn half a turn and the cameras automatically take the readings.

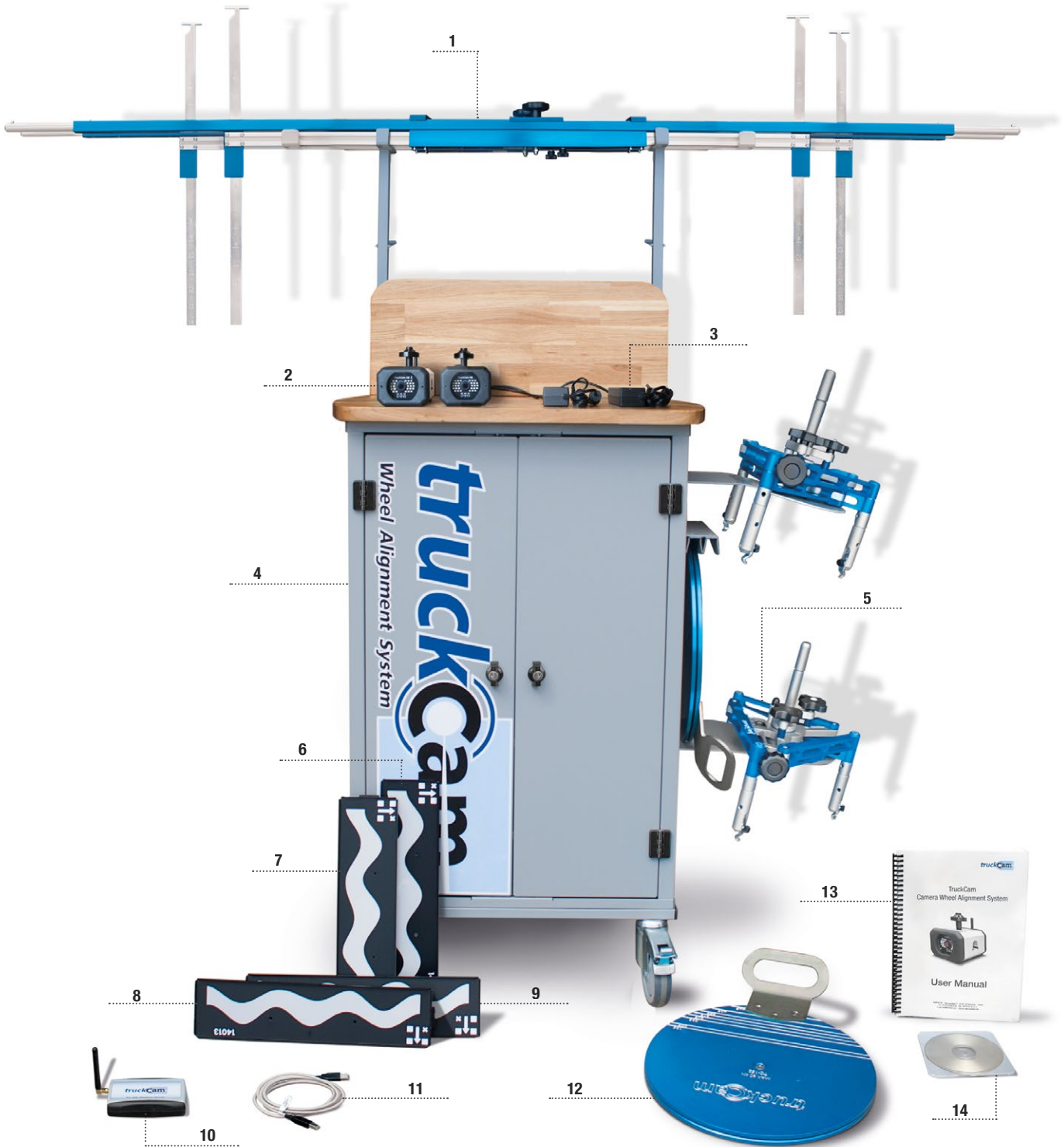
BY THIS METHOD the TruckCam system is able to measure before, during and after rolling, and automatically corrects for errors from the wheel adapter and/or the rim, without the need for any separate Run-Out compensation.

TOE AS WELL as camber values will be displayed automatically after the rolling measurement. Now the user is able to make adjustments according to the live values shown on the computer screen.



SILVER LINE SYSTEM

TC-4010



ITEM	PRODUCT ITEM	PRODUCT NR.	QTY	ITEM	PRODUCT ITEM	PRODUCT NR.	QTY
1.	Frame Gauge Compact w Hangers L=320 & L=620	TC-121	2	8.	Reflective Target RL	TC-233-30	1
2.	Camera Sensor	TC-268	2	9.	Reflective Target RR	TC-233-40	1
3.	Charger	TC-392	2	10.	Wireless Server	TC-305	1
4.	Cabinet for System Parts	TC-502 BG	1	11.	USB Cable 2m	TC-361	1
5.	Wheel Adapter Spider	TC-175	2	12.	Low Friction Plate	TC-152	2
6.	Reflective Target FL	TC-233-10	1	13.	User Manual for Camera Wheel Alignment System	19500	1
7.	Reflective Target FR	TC-233-20	1	14.	Software	TC-700	1

OPTIONAL ACCESSORIES



ITEM	PRODUCT ITEM	PRODUCT NR.	QTY
1.	Magnetic Wheel Adapter	TC-142	2
2.	Wheel Adapter Spider	TC-175	2
3.	Low Friction Plate	TC-152	2
4.	King-Pin and Tow Bar Adapter Kit	TC-410	1
5.	Bus and Van kit	TC-126	2
6.	Bumper Adapter	TC-411	1

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