MAHLE
Digital ADAS 2.0

Introduction to the product

Riccardo Vergnani | 25/11/2021

MAHLE

About us

MAHLE Aftermarket is expanding its range to include practical service units and services relating to maintenance and service, and is thus taking another step towards becoming a full-service and solutions provider to the repair shop.

MAHLE Service Solutions: your repair shop partner

To increase comfort, safety, and efficiency, vehicle technologies are becoming ever more complex. At the same time, also the demands on service and maintenance assistance are growing. In order to perform the work both professionally and safely, repair shops need to have the convenient devices —and the corresponding knowledge to use them.

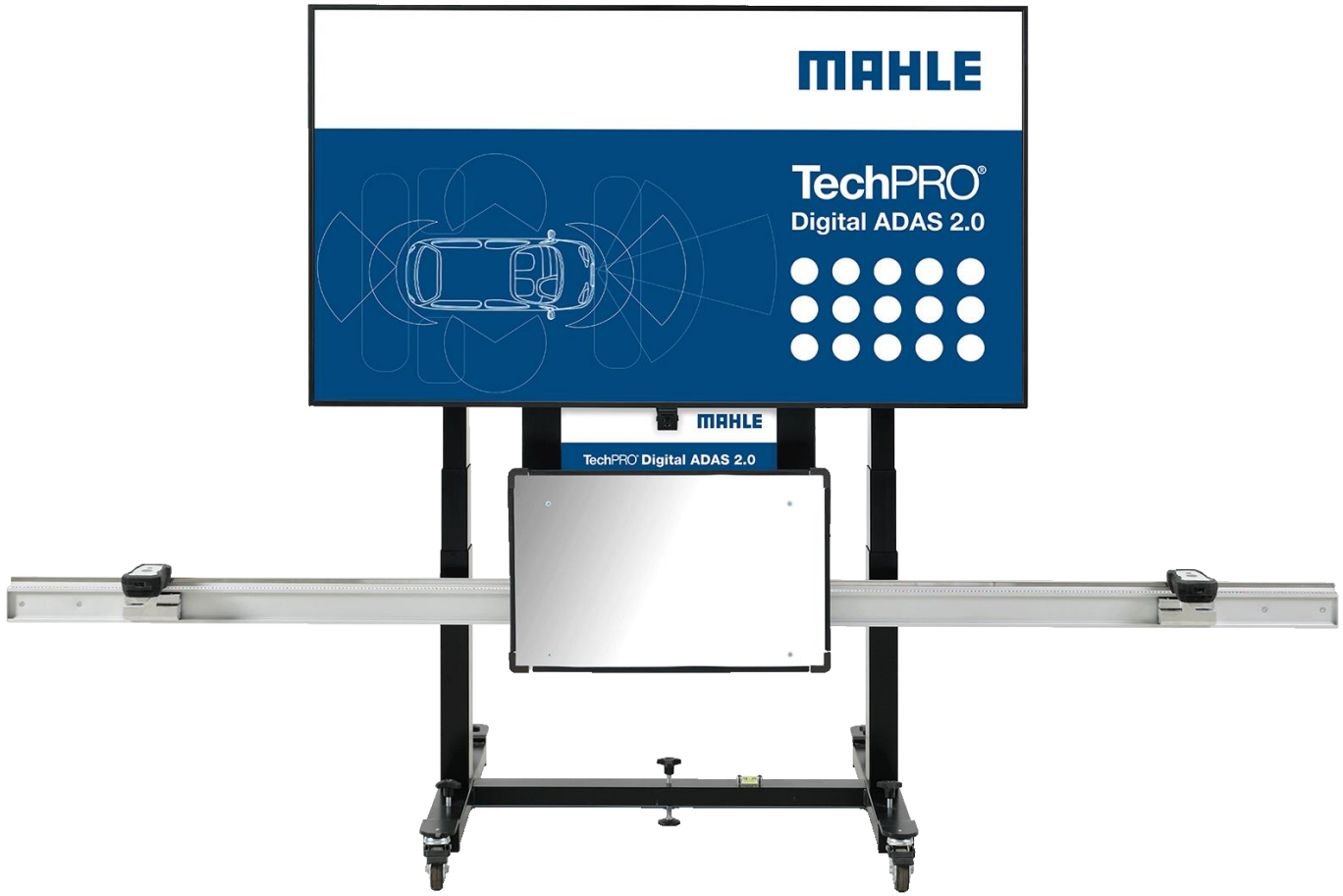
MAHLE Service Solutions leverages the expertise of MAHLE’s numerous business divisions - development partner and original equipment supplier, innovation leader and supplier of test and diagnosis systems for the automotive industry, support in the management of maintenance through the supply of quality spare parts - to offer the market innovative garage equipment tools and complete solutions for the professional maintenance vehicles.

The new line

	Digital ADAS	Digital ADAS 2.0
		
Keystone® Technology	Yes	Yes
Anti-reflection Monitor	Yes	Yes
Foldable Bar – 3 mt	NEW Yes	NEW Yes (with magnetic bar)
Camera Calibration	Yes	Yes
Radar Calibration	Yes	Yes
Laser meters	Analog	NEW Fully automatic
Monitor height control	Automated	NEW Automated (via TechPRO®)
Camera for plate recognition	--	NEW Optional
Tutorial Videos	--	NEW Yes

Digital ADAS 2.0: an overview

- Integration with the Keystone® System
- Fully automated procedure (new laser meters with **automatic detection**)
- Easy vehicle selection (plate recognition function)
- An even faster calibration (from 7 to **3 minutes**)
- Error-proof procedure (tutorial videos integrated)
- Simplified installation and commissioning (folding bar and automatic configuration)

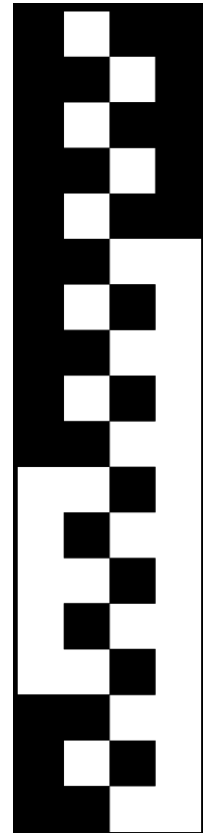


What does that imply?

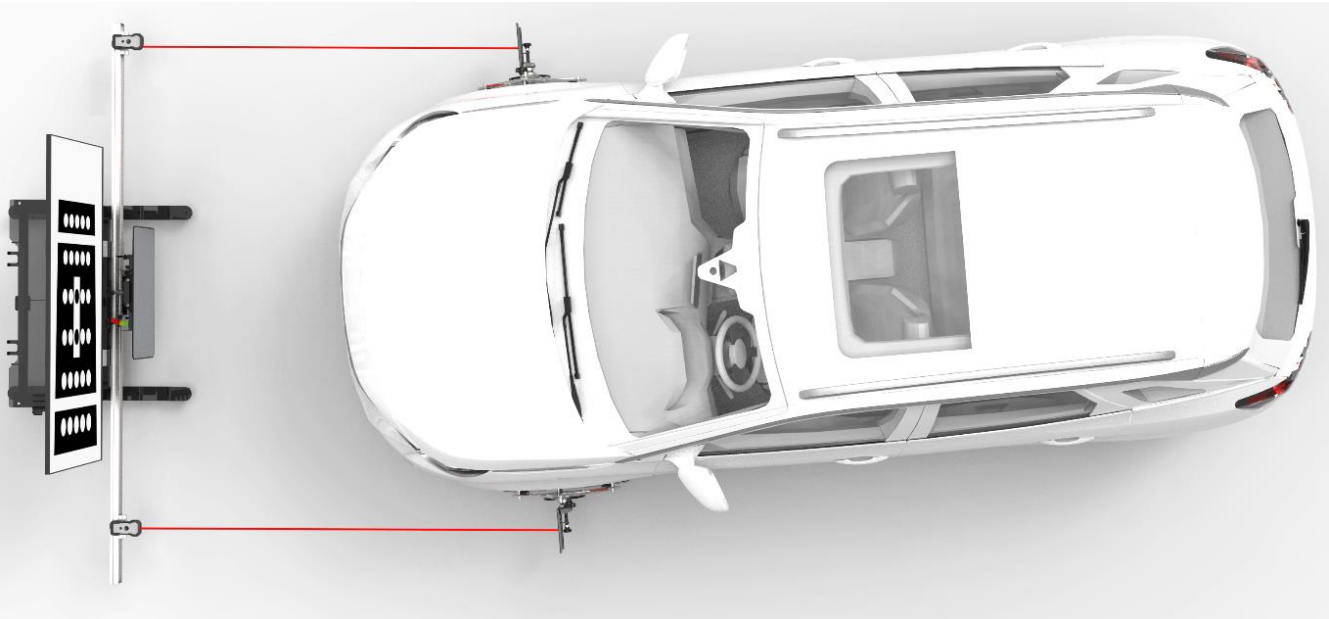
- The user does not waste any time with aligning the frame with the car
- Little handling required
- All the vehicle values are automatically detected and sent to the system
- Very easy to use
- Extremely fast
- Little space needed in the workshop

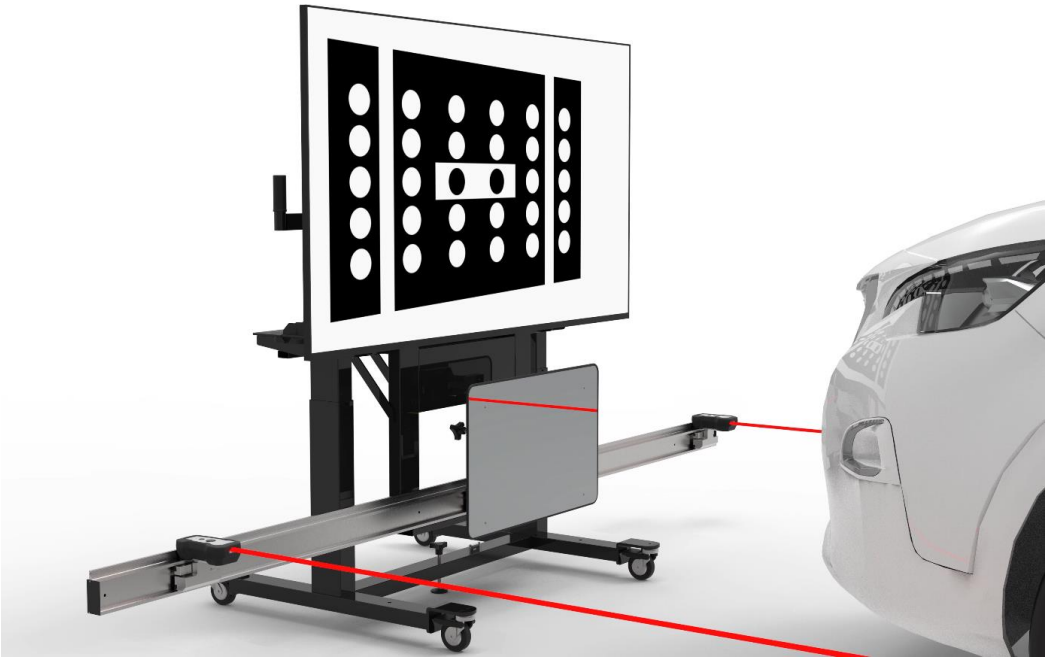
Calibrations and KEYSTONE® System: how does it work?

1. To calibrate a front camera, you need to use the proper sample target accordingly to the manufacturer’s guidelines
2. This image must be displayed on a physical panel or on a digital screen
3. During calibration, the camera "looks" at the target, transmits the data to its ECU which self-regulates on the basis of this image.
4. For this purpose, we must be sure that the image is aligned with the "eye" of the camera
5. When using our competitors’ devices, it is necessary to perfectly align the calibration frame with the vehicle
6. **On the other hand, the KEYSTONE® system adjusts the sample image to the car position, based on the values detected during the calibration procedure**



KEYSTONE® : the only and unique self-adjusting system





MAHLE is the only producer that holds the patent for the KEYSTONE® System

Laser meters with automatic detection and transmission

The new laser meters are able to detect and transmit the car positioning values automatically (no manual entry) so that the KEYSTONE® can adjust the calibration sample image based on those data.

Integrated tutorial videos

During the entire procedure (from the vehicle setup to the calibration completion), the user is driven step by step by tutorials videos.

Digitally controlled frame height

The frame height - and therefore the bar - can be adjusted directly from the TechPRO® interface.

1038 mm

Bring the structure to a height of 1215 mm

3 meters-long laser-printed bar

- Longer, foldable (2x1500) for a better transportation and commissioning.

Camera for the automatic plate recognition (optional)

Thanks to a small camera placed on the front part of its frame, the Digital ADAS 2.0 is able to take a picture of the vehicle plate and automatically identify the car model.

USPs

Contact:
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