

# LASER EXAMINER

Laser caliper to measure disk wear  
and tire tread



[www.texa.com](http://www.texa.com)

TEXA

Safety and comfort while driving are ever more important and essential for drivers. The tests to be carried out regularly include checking the conditions of the wheel system.

**LASER EXAMINER** is a small practical tool to objectively measure **brake disk wear** with an accuracy of a tenth of a millimetre without having to remove the wheel from the vehicle.

You can also measure **tire tread wear** using a simple adapter.

LASER EXAMINER makes performing these tests quick and simple, providing customers with a detailed report on the "health" of their vehicle's wheels, guaranteeing a **professional service** and contributing to customer retention.

Genuine added value for garages and tire fitters and an important contribution to **vehicle road safety**.



Developed in collaboration with Brembo





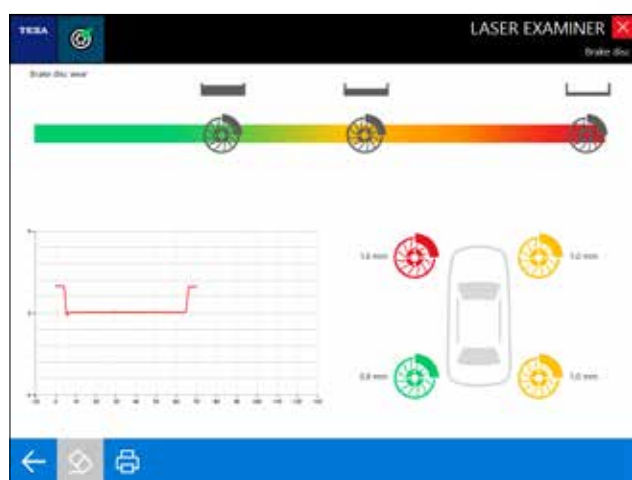
# Brake disc wear measurement

LASER EXAMINER makes checking brake disc wear simple and quick, **without having to remove the wheel**. Thanks to the magnet incorporated in the probe, all you need do is put it on the disk.

When you press the button, it **projects a laser beam** transversally across the disk. A further click captures an image which is analyzed by a micro-camera.

LASER EXAMINER **processes measurements in real time** and compares them with the predefined minimum value.

Comparison is both numerical and visual, and provides the mechanic with an instant assessment.



Summary of disk measurements.

## Incorrect measurement

The LASER EXAMINER has a very sensitive measuring system and comes with a gyroscope, enabling it to warn the user immediately if the measurement has been performed incorrectly and ask for it to be repeated.



# Ergonomic design

With its elongated "stem" shape and ergonomic handgrip, the LASER EXAMINER is designed for easy use, even when the particularly shape of the

alloy or iron rim makes the brake disk difficult to reach.



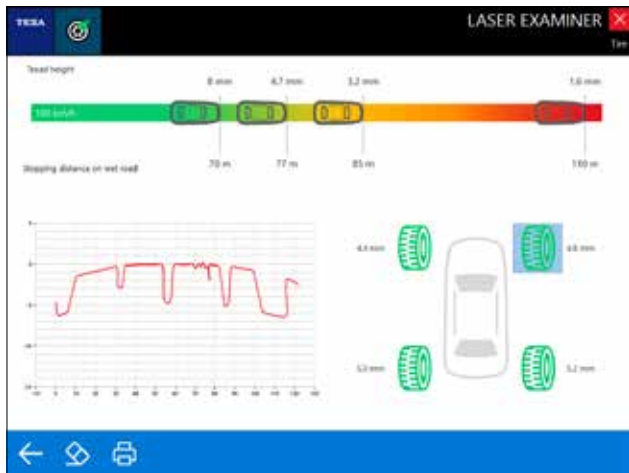


# Tire tread wear measurements

Tire tread wear also needs checking regularly.

A reduced tread increases vehicle instability, makes the tire vulnerable to damage and can cause the driver to lose control in the rain due to aquaplaning.

LASER EXAMINER has a special **magnetic head** allowing it to rapidly measure the depth of tread left. Once positioned on the tire, it projects a laser beam over the surface to provide an objective measurement.



Tread measurement results with wear highlighted graphically.

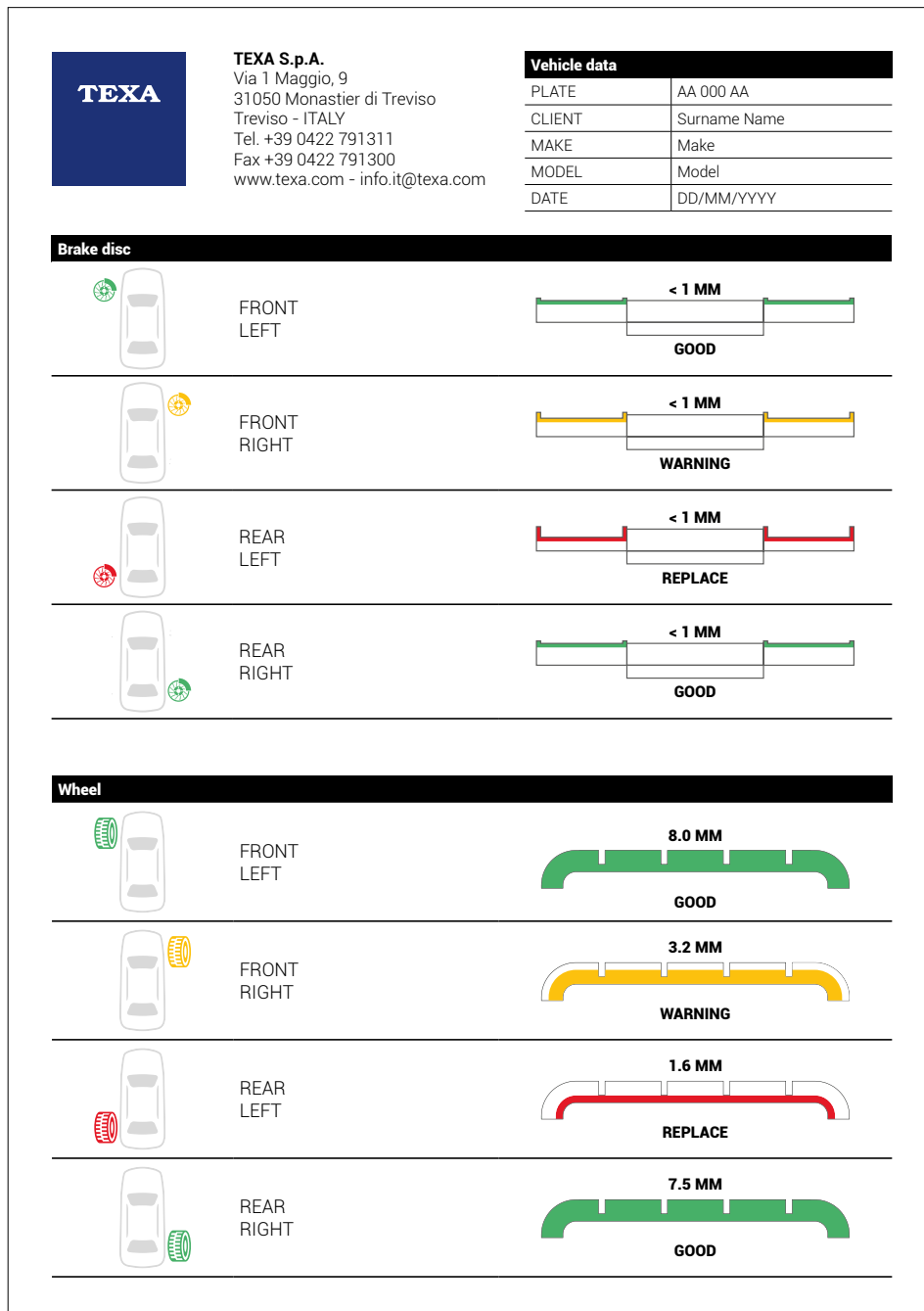




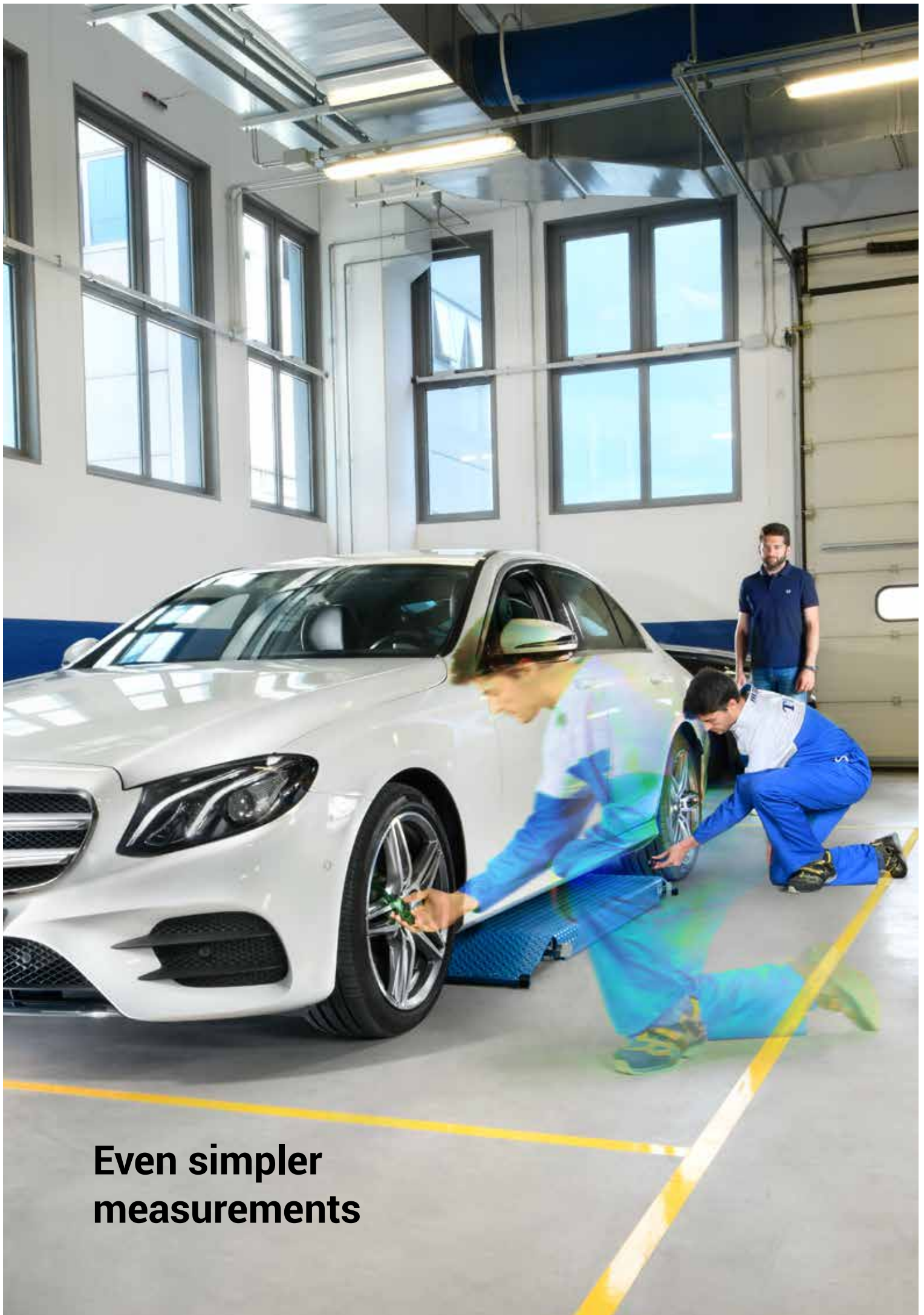
# A highly professional, easy to manage, service

To verify and manage all the information coming from the disk and tire measurements as efficiently as possible, TEXA has developed software for Windows PC or AXONE Nemo for use in conjunction with the LASER EXAMINER. The mechanic can complete an **objective test of the "wheel system"** rapidly, thanks to the simple and intuitive graphic interface.

The menu is divided into three functions: **Disk, Tire and Fast Check**. By accessing Fast Check, the mechanic can **rapidly check** both disk and tread wear, **particularly useful during vehicle check-in** to give the customer a clear idea of the state of the vehicle when it enters the garage. A complete report can be printed out to give to the customer.







**Even simpler  
measurements**



**TEXA** TEXA FDS X

info veicolo  
Piat

info gomme in uso

ID	Marca gomma	Modello gomma	Tipologia	Data di produzione	Data di montaggio	Larghezza	Spazio	Spessore	Spessore di veicolo	Altezza standard
AD	Michelin	Alpin 5	Invernale	09/2016	15/11/2016	225	97	17	W	5,4 mm
AS	Michelin	Alpin 5	Invernale	09/2016	15/11/2016	225	97	17	W	5,4 mm
PD	Michelin	Pilot Alpin	Invernale	10/2015	15/11/2016	225	97	17	W	6,1 mm
PS	Michelin	Pilot Alpin	Invernale	10/2015	15/11/2016	225	97	17	W	6,2 mm

info freni

Tipo	Diámetro	Spessore	Spessore minimo	Uscita	Data di montaggio
AD D	3,18 mm	25 mm	23 mm	1,3 mm	15/11/2016
AS D	3,14 mm	25 mm	23 mm	1,3 mm	15/11/2016
PD D	3,14 mm	25 mm	23 mm	1,2 mm	15/11/2016
PS D	3,14 mm	25 mm	23 mm	1,2 mm	15/11/2016



## An accurate management system for customer retention

The LASER EXAMINER software includes a management system indispensable for **customer retention**, allowing the garage or tire specialist to manage all disk and tire tests as efficiently as possible, creating a **complete and always up-to-date database of driver and vehicle details**, complete with the results of the tests performed, and allowing **maintenance to be scheduled**.

# TEXA

TEXA was founded in 1992 in Italy and is today among the world leaders in the design and production of multi-brand diagnostic and tele-diagnostic tools, exhaust gas analysers and air conditioning service stations. TEXA is worldwide with an extensive distribution network; through its subsidiaries, it sells in Brazil, France, Germany, Japan, Great Britain, Poland, Russia, Spain and the United States. Currently there are approximately 650 TEXA employees in the world, among which 150 engineers and specialists dedicated to Research and Development. Over the years, TEXA has received many awards and international recognitions, among which the Automechanika Frankfurt Innovation Award (2010 and 2014), the National Innovation Award as the most innovative

company in Italy, received by the then President of the Republic Giorgio Napolitano (2011), the Irish Automotive Innovation Award (2014), and the Golden Wrench award in Moscow (2015 and 2017). In 2015, the Mit Technology Review awarded TEXA among the ten most "disruptive" companies in Italy. In 2016, TEXA received the Frost & Sullivan award for "European Commercial Vehicle Diagnostics Customer Value Leadership". All TEXA tools are designed, engineered and built in Italy on modern, automated production lines that guarantee the utmost precision. TEXA pays particular attention to the quality of its products, and obtained the strict certification ISO TS 16949 specially written for original equipment suppliers to the automotive industry.



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