



Wheel and Tire Testing for Your Safety on the Road

The demand of modern society is to move quickly and safely from one place to another. Automotive Original Equipment Manufacturers (OEMs) and their suppliers around the globe are inevitably required to comply with international and local standards to remain competitive.

In response to this increasing demand, TÜV Rheinland offers a wide range of testing, inspection and certification services for the automotive industry with a quick turnaround time. Our wheel and tire laboratory is run by professional engineers and is equipped with advanced testing equipment and well-known high-quality standard reference. Our expert team offers comprehensive testing and approval services.

Your benefits at a glance

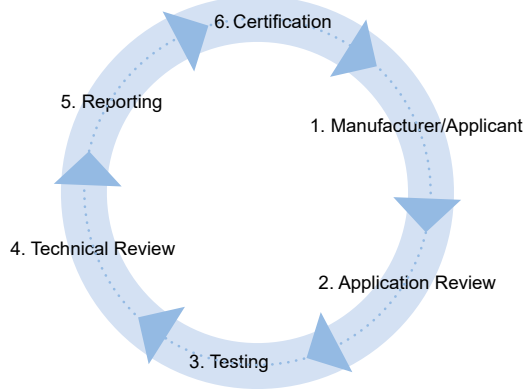
Wheel and tire testing by TÜV Rheinland allows you to:

- Ensure compliance with domestic and international guidelines, standards and directives.
- Successfully market your vehicle and accessories.
- Take advantage of one-stop shopping, documentation, testing, reports and certification provided by our efficient and highly experienced team.
- Profit from our years of experience and expertise in testing custom wheels.
- Reinforce your brand name in the international marketplace with help from our team, which is widely recognized by international buyers.

Why TÜV Rheinland?

- Over 140 years of experience in the certification sectors
- A presence in over 500 locations across 69 countries
- An internationally recognized certification mark
- Listing on Certipedia, an online platform for certified and tested products
- Fast lead time to certification
- Quick access to international markets
- Worldwide sampling offices
- One-stop shop for testing and certification

Certification Process



Designations and Accreditations

We are designated by the authorities in KBA – Germany, SNCH – Luxemburg, RDW – Netherlands, NSAI – Ireland, KAN – Indonesia, JPJ – Malaysia, Inmetro – Brazil etc. These multiple authorizations enable you to select the approval that best fits your needs.

We are accredited to perform testing in accordance to international standards (Europe, Brazil, India, Philippines, Japan, Saudi Arabia and others) and Indonesia standard (SNI) as well as guidelines StVZO (Germany).

The test reports of TÜV Rheinland are also voluntarily recognized and accepted in many countries and regions, such as Chile, Colombia, Hong Kong, Israel, Thailand and Turkey.

Testing capabilities and standard reference

Wheel Testing Capabilities

- Rim rolling test
- Impact test
- Dimension
- Bending fatigue test
- Corrosion evaluation
- Dye penetration test

Tire Testing Capabilities

- Dimension
- Tread wear indicator
- Bead unseating
- Breaking energy
- Endurance
- Low inflation pressure
- High speed

Wheel Testing Standards

- SNI (Indonesia National Standard) for two- and four-wheel vehicles: steel and alloy wheels (SNI 1896)
- SNI (Indonesia National Standard) for motor vehicles with two or more wheels (SNI 4658)
- UN ECE-R124 for replacement wheels for passenger cars and trailers
- German StVZO as guideline for after-market wheels
- Brazil Inmetro standards

Tire Testing Standards

- Indonesia SNI 0098, SNI 0099, SNI 0100 for passenger car, light truck and truck bus
- Indonesia SNI 0101 for motorcycle
- UN ECE-R30, R54 and R75 for passenger car, commercial vehicle and motorcycle
- Japan JIS D4230 for passenger car, light truck and truck bus
- Brazil Inmetro R165 for passenger car; R205 for light truck and truck bus

Always a good sign.



SNI Product Approval



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This mark stands for the products, services and systems that are tested, certified or inspected by TÜV Rheinland. Transparent, available anytime worldwide – powerful and unique. The TÜV Rheinland test mark.