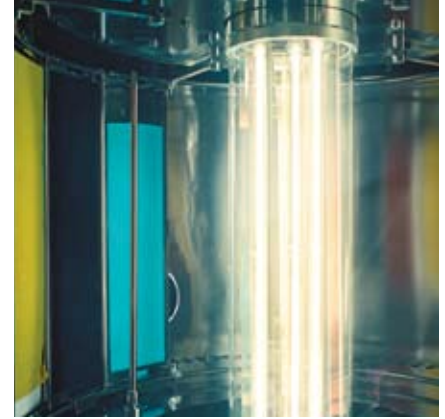


SGS AUTOMOTIVE
SERVICES

**INSTITUT
FRESENIUS**

CAR INTERIOR MATERIAL TESTING AUTOMOTIVE SERVICES

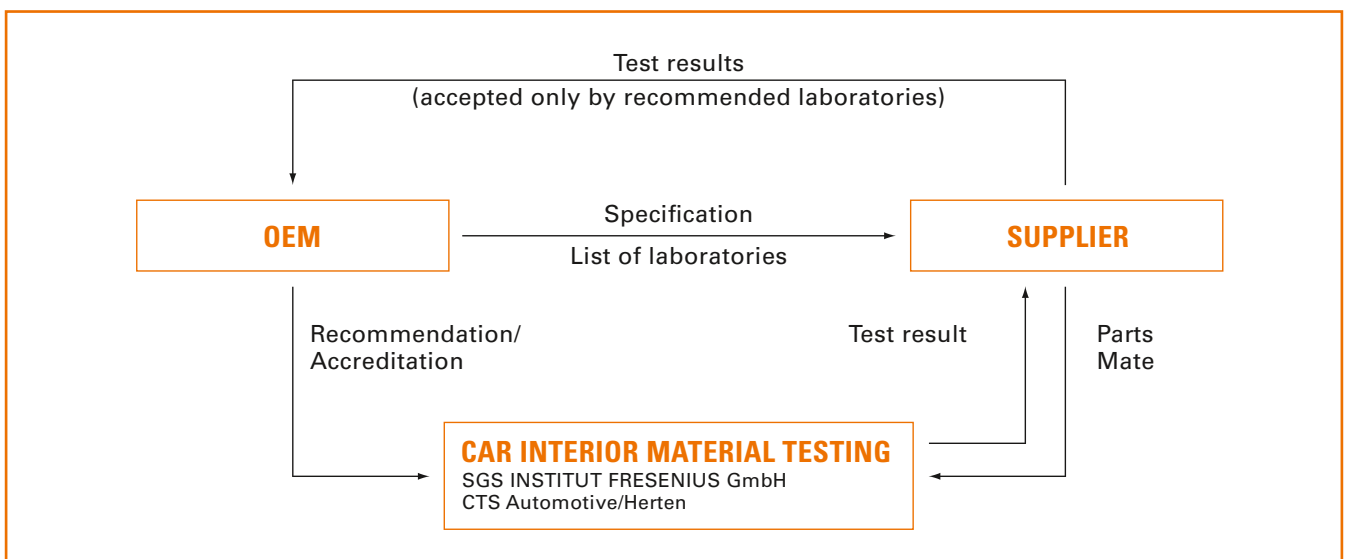
SGS



Safety and quality are among the demands placed on modern materials used in the automotive industry. Continuous improvements in the products and components are the declared objectives of all car manufacturers and a justified desire of end consumers. These require continuous control during the development of parts and system components, beginning with the raw material right through to the end product itself. The close collaboration between qualified, independent testing laboratories and automotive component suppliers guarantees that the car manufacturers' requirements in terms of initial sample testing and serial sample testing are fulfilled.

Qualified solutions are our business

With 155 years of experience in the field of analytics behind it, SGS INSTITUT FRESENIUS guarantees you security and reliability so that you can focus on your core business.



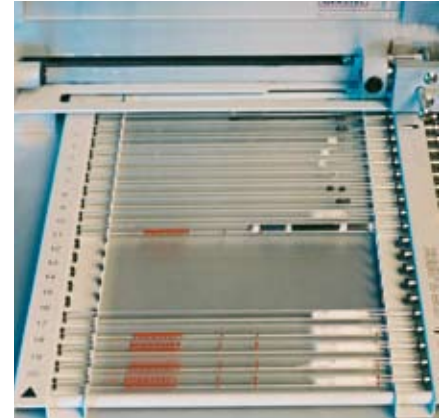
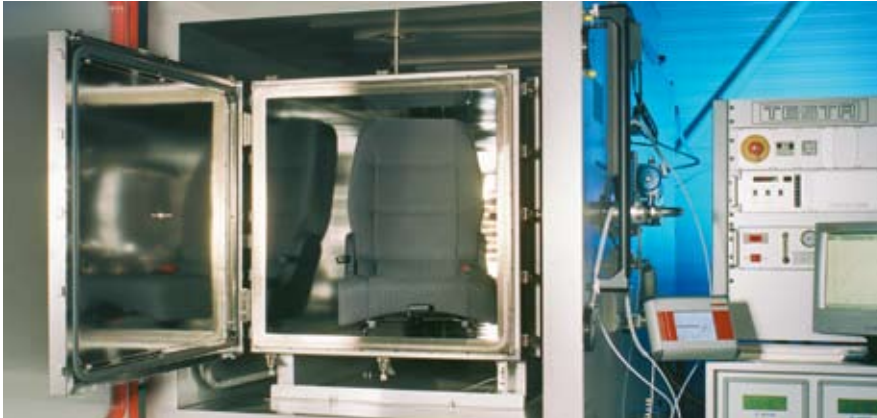
Competent partnership: SGS INSTITUT FRESENIUS in the interaction between the OEM and the supplier

SGS INSTITUT FRESENIUS has clustered many different functional competencies for the automotive industry in CTS Automotive. Functional and methodological expertise in several functional disciplines is necessary to offer solutions from one source - no matter how complex the problem is.

A special feature: SGS INSTITUT FRESENIUS CTS Automotive has a flexible accreditation - suited to every new method that is introduced.



Nach DIN EN ISO/IEC 17025 durch die DAP Deutsches Akkreditierungssystem Prüfwesen GmbH akkreditiertes Prüflaboratorium



WE ARE ACCEPTED BY MANY CAR MANUFACTURERS, WHICH IS REFLECTED IN OUR NUMEROUS APPROVALS AND RECOMMENDATIONS.

Our services (excerpts)

- Chamber test according to BMW GS 97014- 2 („CARB test“)
- Chamber test according to BMW GS 97014- 3 („Summer test“)
- Chamber test according to VDA 276
- Emission test according to VDA 277 (TVOC)
- Emission test according to VDA 278 (VOC and FOG)
- Special emission tests according to Toyota specifications
- Hot light fastness, hot light ageing tests (Xenotester)
- Ageing under weathering conditions, e.g. according to DIN EN ISO 4892-1/-2
- Sun simulation according to DIN 75220
- Storage tests, thermal shock tests, salt spray tests
- Fogging tests according to DIN and manufacturers' specifications
- Olfactometric tests
- Determination of flame retardants (Directive 2002/95/EU)
- Burning behaviour tests
- Determination of acryl nitrile, 1,3-butadien and styrene content in ABS
- Emission tests, e.g. determination of formaldehyde, ketones, amines, nitroso-amines and phthalates
- Heavy metal determination according to the end-of-life vehicle directive (Directive 200/53/EG)
- Chemical and mechanical resistance tests
- Development-accompanying, client-oriented tests
- Physical, mechanical tests (plastics, metal, foam, non-woven material etc.)
- Resistance tests against different media, soil and cleaning agents

SGS INSTITUT FRESENIUS System Concept

We offer you a very extensive service portfolio of emission and material tests which includes total content determination, ageing simulation, tests of mechanical and chemical properties as well as evaluation and interpretation of the test results. Talk to our experts. We will find the best solution for you.

The advantages for you

- Short processing times
- Attractive pricing models
- Guaranteed quality and good reputation among car manufacturers
- Qualified staff
- Complete service from one source
- Tests according to national and international specifications
- Reliable test methods due to flexible accreditation

WITH MORE THAN 48,000 EMPLOYEES, SGS OPERATES A NETWORK OF MORE THAN 1,000 OFFICES AND LABORATORIES AROUND THE WORLD.



CONTACT

You can find information about other automotive subjects such as:

- Failure & Damage Analysis
- Car Interior Material Testing
- Oil, Gas & Chemicals
- Workshops/Trade & Sales
- Certification
- Transport containers and pallets
- SGS TÜV Saarland Occupational Safety Management North & South

at www.sgs-auto.com

Contact

SGS INSTITUT FRESENIUS GmbH
Am Technologiepark 10
D-45699 Herten
t +49 2366 305 - 645
f +49 2366 305 - 611
de.aut.cimt@sgs.com

More information at www.sgs-auto.com/CIMT

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