

The NMI is an application-oriented research institute that makes scientific knowledge available to the business world

- Application-oriented research and development, consultation, measurements, testing, analysis, studies and implementation of innovative solutions.
- Wide, efficient service spectrum for SMEs and large customers.
- Flexible structures, highly qualified, interdisciplinary teams, state-of-the-art equipment and quality management for extraordinary results.
- Realisation of goal-oriented projects with a strong network of industrial partners, universities and research institutes with various specializations, especially the life sciences.
- Incubator for new companies.
- Founded in 1985 as a non-profit foundation.
- 190 employees.
- Subsidiary: NMI Technologietransfer GmbH (NMI TT GmbH).

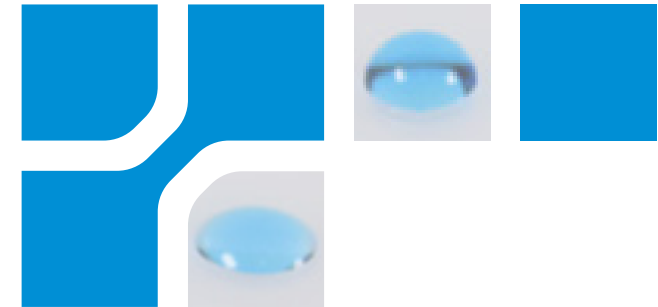


With our focus on solution-oriented, applied research and development, we achieve concrete results quickly and efficiently.

Convince yourselves of our wide, interdisciplinary competence in meeting your demands.

NMI achieving results.

Improvement of adhesion >>



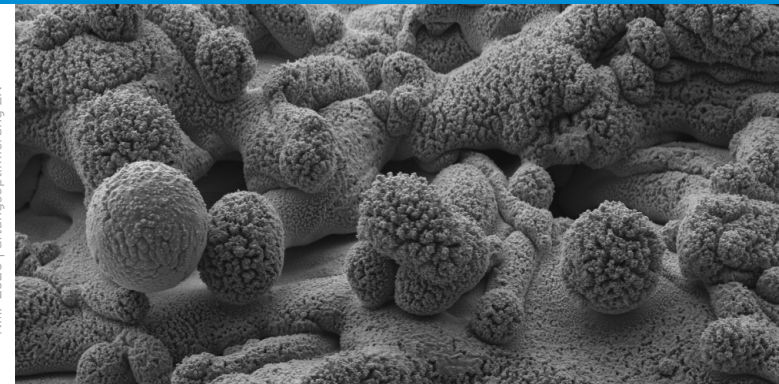
for coatings
for bonding



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NMI 2020 | anfangsoptimierung EN



Adhesion optimization

- Abrasive blasting (corundum, glass beads, quartz sand, etc.)
- SACO/ROCATEC (silanized blasting abrasive)
- Flame treatment (Pyrosil)
- Corona
- Atmospheric pressure and low-pressure plasma
- Laser

Durability testing

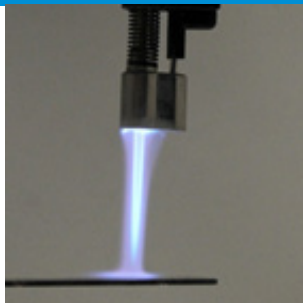
- Environmental cycle test (e.g. VW PV 1200)
- Cyclic corrosion test (VDA-621-415)
- Immersion test
- Cleaning/disinfection and sterilisation

Strength testing

- Miniaturized rapid test for adhesion testing of thin layers (pull-out tension)
- Tension test (pull-off; DIN EN ISO 4624 and ASTM F1147)
- Tensile test (DIN EN ISO 527)
- Tensile lap shear test (DIN EN 1465)
- Peel tests (DIN EN 1464, DIN EN ISO 11339)
- Cross-cut test (ISO 2409)
- Helium leak test (DIN EN 1779)

Contact

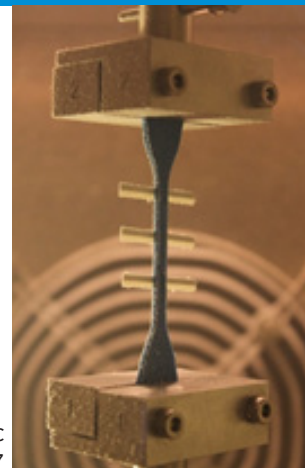
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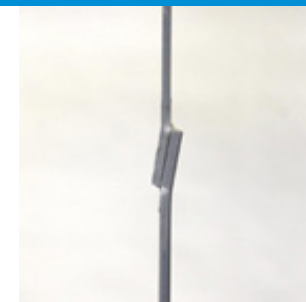
flame pre-treatment



plasma pre-treatment



determination of characteristic values according to ISO 527



tensile lap shear test according to DIN EN 1465

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