

Machinery dynamics and Acoustics

Quality Assurance by Testing

Sulzer Innotec

In branches such as medical technology or aviation industry "top quality" is an absolute "must". Even smallest defects can endanger the health or even the life of people. Destructive proof-testing of real components can be a helpful tool to qualify critical deliveries or monitor their production. Such testing not only qualifies materials properties, but also takes into account the quality of processing and machining.

What we offer

- Extensive consulting by experts
- Assignment of suitable tests
- Preparation and treatment of test specimens
- Tests under tension, compression and torsional loading
- Tensile adhesion tests
- Bending tests on rotating equipment
- Set-up of appropriate quality assurance methods



Various universal testing machines and a test platform allowing 100 m³ volume for large-size test items

Customer benefits

- The delivery of materials for end products with sensitive tolerances is inspected and guaranteed
- Critical manufacturing steps are monitored; the quality standard is maintained
- External independent expertise
- Efficient quality assurance



Marine diesel engine

Examples

- Testing of composite straps
- Burst tests for ceramic hip joints
- Bearing casing for crank shafts
- Adhesion testing of plasma sprayed coatings



Quality assurance for bearing housing shells of white metal



Quality assurance for biomedical implants

Sulzer Innotec has many years experience in the domain of quality assurance. The laboratories have a reputation as being among the most renowned ones in Switzerland. You benefit from our know-how and have access to the newest solutions.

Our specialists will be pleased to advise you further.