



ENGINEERING SERVICES

NON-DESTRUCTIVE TESTING (NDT)

Making the invisible visible.

NON-DESTRUCTIVE TESTING

We can comment on the quality of your product to be tested made of iron, cast iron and non-ferrous materials as well as composites, either in our own laboratories or on site on your premises.

Our inspection staff is qualified in level 2 and 3 according to ISO 9712 and EN 4179 standards.

METHODS

Visual testing (VT)

- Direct visual testing (GVI/DVI)
- Indirect visual testing (Endoscopy)

Ultrasonic testing (UT)

- Contact testing technique
- Phased array technique (PAUT)
- Immersion scan technique

Eddy current testing (ET)

- Single frequency technique
- Multi-frequency technique
- Conductivity measurement
- Coat thickness measurement
- Rotating probe inspection (Rototest)

Penetrant testing (PT)

- Fluorescent penetrant
- Color contrast penetrant

Magnetic particle testing (MT)

- Portable electromagnet (yoke)
- Fluorescent detection media

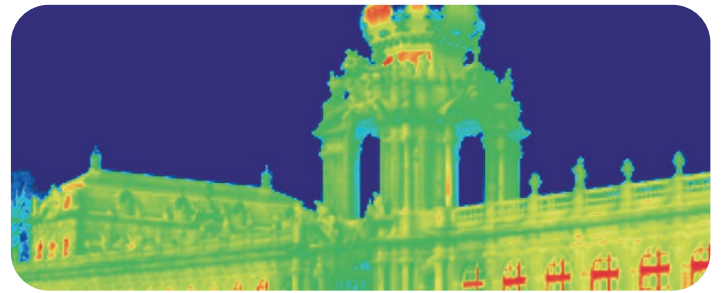
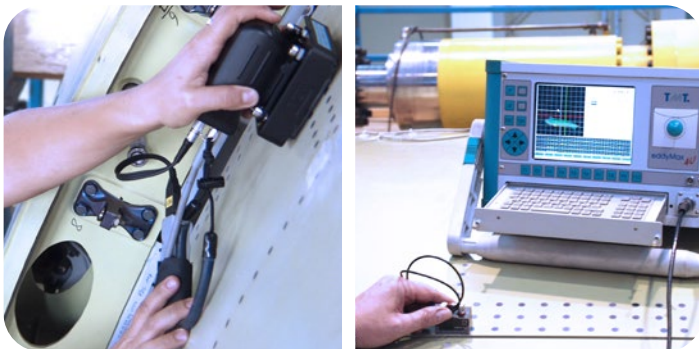
Thermographic testing (TT)

- Lock-In
- Infrared

Bond testing

Optical measurements

- Aramis
- Pontos



REFERENCES (EXAMPLES)

Support of maintenance activities

- For aircrafts
- In Germany, Europe and Worldwide
- Double-Inspections

Acceptance of level 3 responsibility NDT in the field of product certification

- Automobiles
- Aircrafts
- Railways
- Trams

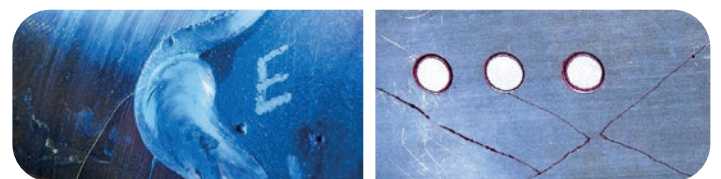
FURTHER EXPERIENCES

- New materials CFRP, GLARE and hybrid structures
- Various test structures and components
- Recent inspection methods
 - Phased array ultrasonic testing
 - Four frequency rotation probe testing
- Organisation and coordination of extensive and complex inspections
- Inspections during A340-600EF2 and A380EF (supervision and performance)

QUALITY SEALS



The testing services of Applus + IMA (IMA Materialforschung und Anwendungstechnik GmbH) are accredited in accordance with the DAkkS accreditation certificate.



Visit us

