



ENGINEERING SERVICES  
**NON-DESTRUCTIVE TESTING (NDT)**  
Making the invisible visible.



Deutsche  
Akkreditierungsstelle  
D-PL-13119-02-00

# 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

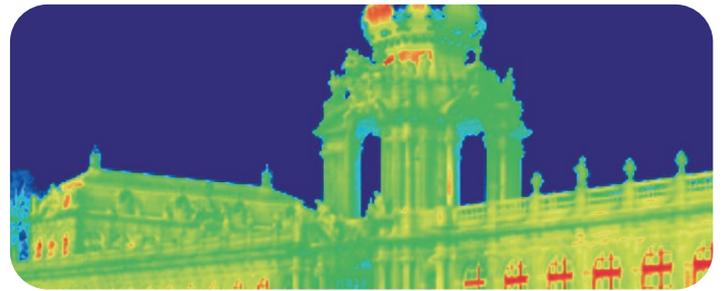
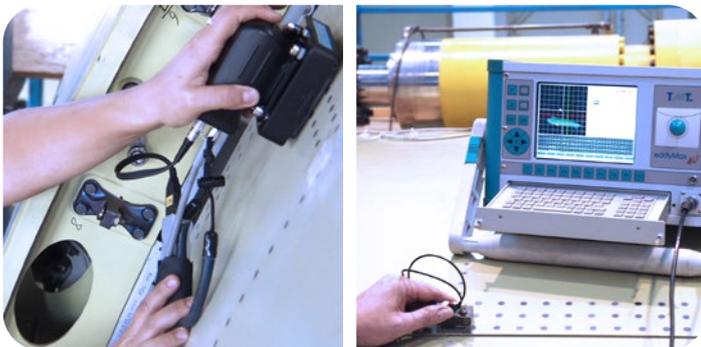
### Thermographic testing (TT)

- 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



## CONTACT

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