

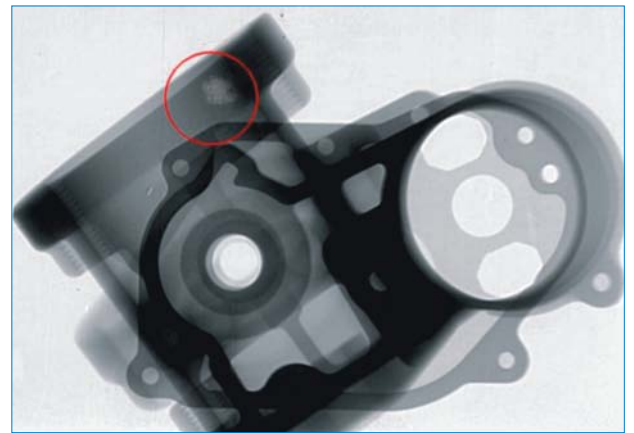
DESCRIPTION OF THE METHOD

Radiographic testing method is capable of obtaining an image of internal volumetric discontinuities (in some cases it is possible to detect some advantageously orientated 2D defects). The most frequent use of RT is for examination of welds, castings (also with very complicated shapes) etc. Due to the tradition and demonstrativeness RT is one of the most important methods in NDT. RT is used for the equipment with higher level of the inaccessibility (e.g. pressure vessels), in the aerospace, or petrochemical industry. Digital radiography (DR) and computed radiography (CR) are filiations of classic film radiography, which uses a non-film detecting media. Some elements of RT systems are supplied by modern technology. Therefore it is possible to obtain an image in digital format and use common digital tools to improve image quality.

DESIGN AND PRODUCTION

ATG offers complex solution for radiography – from simple devices up to complex systems with automatic duty cycle. Our specialists are prepared to recommend you suitable methods and specify correct technique for your application.

- | Computed radiographic systems
- | Digital radiographic systems
- | Radioscopic systems
- | X-ray sources
- | Mobile X-ray sources
- | X-ray sources of special design
- | Films, chemicals
- | Radiogram inspection and evaluation
- | RT accessories
- | Standards, referential catalogues, ...
- | Shielding cabins, X-ray bunkers, manipulation
- | Solutions for radiation safety



SELECTED PRODUCT FOR RT

COMPUTED RADIOGRAPHY SYSTEMS

Transportable CR systems provide advanced functions (e.g. scanning of non-standardized lengths of imaging plates) as well as high image quality.



RADIOGRAPHIC FILM MATERIAL & CHEMICALS

The films with long tradition and very high quality are supplied as contapack as well as dark room package.



X-RAY SOURCES BALTEAU

Light mobile sources, powerful bunker sources, constant potential sources, special design X-Ray sources, ...



ACCESSORIES FOR RT

- | Universal portable light boxes for viewing of weld images,
- | Image quality indicators (IQI) penetrameters acc. to: EN 462/DIN 54 109, ASTM E, API, AWS, ...
- | Lead identification markers, lead shims
- | Film holders
- | Darkroom lighting



PORTABLE DIGITAL DENZITOMETER

Portable digital densitometer allows to measure the optical densities in full range required by NDT standards. Battery powered, measuring is based on the transmission principle.

ATG supplies:

- | Large screen illuminators and illuminators with iris shutter
- | Desk-top densitometers; microdensitometers; densitometers with RS232 PC port



SERVICES AND TESTING

ATG provides inspections, measurements and evaluation according to requirements of our clients, according to international standards as well as industrial codes.

Consultancy services:

- | Our specialists recommend you suitable methods, warn about possible limitations, optimize testing parameters, chose the equipment and aids, prepare written instructions, safety instructions, design the workplace / laboratory, etc.

Services of NDT Level III operators

- | NDT personnel qualification, written procedure preparation, methodical performance of NDT examination, setting of acceptance criteria, laboratory, and field testing, reporting, ... **Special warranties, methodic activities and creation of legislative:** These activities are everytime provided by qualified NDT Level III operators (according to EN 473/ISO 9712, SNT-TC-1A and NAS 410).

ATG uses X-ray sources as well as gamma sources (Se75, Ir192 a Co60) for inspections.

TRAINING AND SEMINARS

ATG provides qualification of NDT level 1, 2 and 3 personnel. Our company belongs to the most important training agencies of "special processes" in Europe. During the training personnel is prepared for duties of NDT examination in industrial conditions. **Training courses include practice on professional NDT equipment!**

Each participant of our training obtains:

- | Attendance certificate
- | Qualification certificate - after passing the final exam

Training and qualification of NDT personnel are in accordance with the following standards:

- | EN 473/ISO 9712, EN 4179/NAS 410 for aerospace industry - JAR 145.30
- | SNT-TC-1A employer certification

