

Material analysis on a day to day basis

XRF - new possibilities



Various test samples

- ***Solid materials***
- ***Powders***
- ***Fluids***
- ***Strange geometries***



FORCE Technology's XRF equipment

Why choose an XRF-analysis

Today companies need fast and reliable answers to problems in production as well as in development.

As a consequence of this FORCE Technology has invested in "state of the art" technology within X-ray fluorescence analysis (XRF).

With the market's most efficient analysis equipment at hand we offer:

- Results on a day to day basis
- Very competitive prices
- High analysis quality
- Examination of almost all ordinary materials.

More advantages

An XRF-analysis at FORCE Technology also provides you with:

- Back-up from experienced materials specialists within metallurgy, corrosion and polymers
- Access to an extensive materials technological laboratory
- Documentation in the form of a report
- Possibility of data communication over the Internet.

Usage

An XRF-analysis may be used in connection with:

- Determining the material composition
- Coating examinations
- Assessing corrosion products
- Continuous check of production materials
- Environmental protection of materials
- Non-destructive examinations
- Positive material identification (PMI)
- Characterising unknown materials.

From sludge to steel

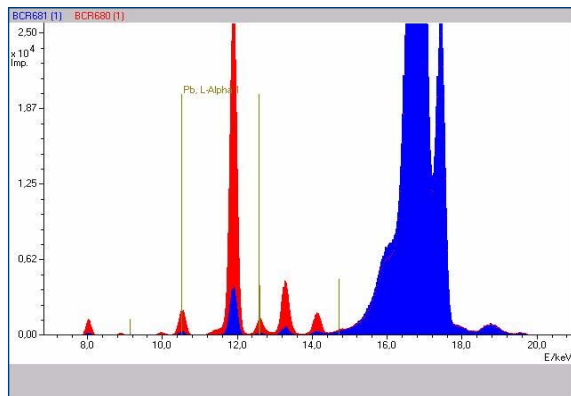
Analyses may be made for steel, copper, zinc, nickel, chromium, cobalt, aluminium and other metals.

Furthermore, analyses are made for plastic, filters, minerals, sand, soil, corrosion products, fluids, oils, sludge, dust, wire, powder, food products, foil, coatings, paper, textiles, concrete, and fly dust.

Liquid samples

A special application with FORCE Technology's new equipment is the possibility of analysing directly on liquid samples, e.g.:

- Water sample testing for chloride
- Paint samples for heavy metal content
- Oil samples for sulphur and metal contents.



Heavy metals analysis in plastic. Spectrum example.

Further information:

Ole Bundgaard, tel. +45 43 26 75 39, e-mail olb@force.dk

Ole Petersen, tel. +45 43 26 74 99, e-mail op@force.dk



An anode with coating in the test chamber

Analysis

The test preparation depends on the sample type, but it is often possible to analyse without any kind of sample preparation.

In most cases FORCE Technology will perform an XRF-analysis on a day to day basis.

Elements

It is possible to determine identification and quantification of elements with atomic numbers ≥ 11 (Na). All element determinations are usually carried out simultaneously.

Measuring range

Quantification in regular homogenous materials can take place at ppm-level up to 100%, depending on element and material.



Subject to changes without notice

FORCE Technology Norway AS
Claude Monets allé 5
1338 Sandvika, Norway
Tel. +47 67 55 38 00
Fax +47 67 55 38 10
e-mail info@forcetechnology.no
www.forcetechnology.no

FORCE Technology Sweden AB
Tallmätargatan 7
721 34 Västerås, Sweden
Tel. +46 (0)21 490 3000
Fax +46 (0)21 490 3001
e-mail info@forcetechnology.se
www.forcetechnology.se

FORCE Technology, Main office
Park Allé 345
2605 Brøndby, Denmark
Tel. +45 43 26 70 00
Fax +45 43 26 70 11
e-mail force@force.dk
www.force.dk