

Chemical Analysis Expertise since 1977

Specialized Laboratory for Precious Metals Analysis

Analysis of Precious metals and Rare Earth metals in

- Ores, concentrates, intermediates, metallurgical products, sweeps/brushings, dental scrap, electronic waste, catalytic converters, fine metals and alloys

Trace elements analysis in

- Pure metals, precious metals, semiconductors, geological samples

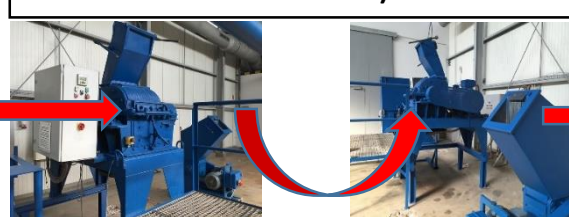
Raw materials as received



Brass chips

E-scrap

Sample preparation
(homogenisation of up to 1000 kg raw materials)



Hammer mill and shredder

Sample preparation
(homogenisation by melting in a furnace)



Induction furnace and casting mould

Sampling:

In Germany and abroad in cooperation with competent sampling companies.



Copper analysis by electrolysis
(0.01 -100 %)

Analysis by traditional Fire Assay methods



Crucibles and cupels in furnace during fire assaying.



Prills containing Ag, Au, Pt, Pd after cupellation

Qualifications:

- Certified by DIN EN ISO 9001:2008
- Expert for chemical analysis of commercial purpose (by the chamber of Industry and Commerce)
- Member of GDMB since 1988
- Participation in round robin test and other analytical tests

Analysis by modern analytical techniques



ICP-OES

GD-MS



WD-XRF

Instrument	Detection Limit
ICP-OES	<1 ppm – (50 – 85)%
XRF	10 ppm – 100%
GD-MS	ppt - %