

Further applications areas:

- Electronic waste
- Metal swarf
- Refrigeration plant
- Special waste
- Cardboard
- and many more

Innovation is our standard!

As a highly specialised engineering and production company ERDWICH offers exceptional services in recycling and shredder technology, backed up by over 30 years of experience. Shredding machinery, special solutions, complete recycling systems and global services are our core competencies, to which our team dedicates itself enthusiastically every day.

Owner-managed, with personal, intensive support, short reaction times and comprehensive service, we offer our customers first-class quality made in Bavaria. Get to know us.

Welcome!

Core competencies:

- Shredding machinery
- Plant engineering
- Service

SUBSTITUTE FUEL PROCESSING



Quelle: LEUBE



Take advantage of your opportunity and test your material without any obligation in the ERDWICH Test Centre.

We look forward to seeing you there.



SUBSTITUTE FUEL SAMPLING SYSTEM BY ERDWICH

ERDWICH ZERKLEINERUNGS-SYSTEME GMBH

Gewerbestrasse 6
D-86859 Igling
Tel.: +49 (0)8191 - 96 52 - 0
Fax: +49 (0)8191 - 96 52 - 16
E-Mail: infoline@erdwiche.de

www.erdwiche.com

www.erdwiche.com

Made in Bavaria

SUBSTITUTE FUEL SAMPLING SYSTEM

A CRITICAL EYE FOR EVERY SAMPLE!



REFERENCES:

- Zementwerk LEUBE GmbH, Austria
- Holcim AG, Germany
- Holcim a.s., Slovakia
- ASG Analytik-Service, Germany
- Agrolab, Germany
- LINZ Strom GmbH, Austria
- Infraser, Germany

Analytical shredding systems for QA work are a fundamental preliminary component in the production of substitute fuels!

With primary fuels and finite resources subject to continuous price increases, the significance of surrogate fuels continues to rise unabated. For plant operators, this offers first-class potential and attractive prospects for the future.

Businesses that buy in their surrogate fuel from external suppliers are faced with two key analytical requirements before putting it to use: **pollutant analysis and calorific analysis**. To ensure the proper handling of these analyses, a sophisticated sampling system is required.

Combining over 30 years of experience and the deployment of our proven single-shaft shredder, ERDWICH has developed an automated, integrated system that sets new standards in the areas of sampling and process reliability.

With ERDWICH sample preparation systems, several single samples are taken from the fuel stream automatically. These individual samples are then shredded and mixed.

From this homogeneous bulk sample (about 250 litres) a 1 litre single sample is then in turn automatically removed that goes directly to the laboratory for analysis.

System criteria:

- Representative sampling from primary sample quantity, generally 200 – 250 litres
- Shredding of primary material from approx. 30 mm to the appropriate lab shredder particle size of approx. 5 – 8 mm
- Reproducibility and documentation trail for the sampling process
- A high degree of process automation, to exclude human sources of error or manipulation
- Automated return of sample waste to the stove feeder system
- Homogenisation of the primary sample, to enable the representative sampling of the 1 litre lab sample

An analysis is only as good as the sample preparation

The sample remainder (the remaining approximately 249 litres) can be automatically returned to the fuel stream.

The whole system is fully automatic - each sample adulteration by manipulation or carelessness is excluded.

The initial customer of this system carries out the calculation of the fees for its EBS suppliers and the control of the furnace of its cement plant via ERDWICH sampling.

In order to properly handle these analyzes a sophisticated sampling system is required. Depending on the desired automation of the sampling process, different stages of development of the system are available:

Sampling-shredder as stand-alone machines

Depending on the sample size, our compact shredder M400 or M600 are used here. Sample feeding to the system and sample division after shredding are carried out manually. The M400 is used for samples up to 30 litres, with the M600 being used for samples up to 240 litres.

Sample-shredding with sample division

In this system, the original sample is taken manually in front of the furnace. To ensure a representative sampling, the sample has a size of about 200 litres. This is transported to the plant in commercial waste containers and will be shredded there.

The shredding is followed by a sample divider. Optionally, the system can also be equipped with a magnetic separator for the protection of the following laboratory mills.

To satisfy these requirements while ensuring optimum process reliability, you need a partner who possesses long-standing expertise and manufacturing proficiency. ERDWICH is that partner.

Let your project be fuelled by our passion! Utilise market-leading ERDWICH technology to ensure your success in the substitute fuels sector.