

LABORATORY & ANALYSIS TECHNOLOGY



Further applications areas:

- Electronic waste
- Metal Swarf
- Refrigeration plant
- Substitute fuels
- Cardboard
- Special waste
- 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




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

We look forward to seeing you there.



PREPARATION OF SAMPLES FOR ANALYSIS PURPOSES!

www.erdwich.com

Made in Bavaria 

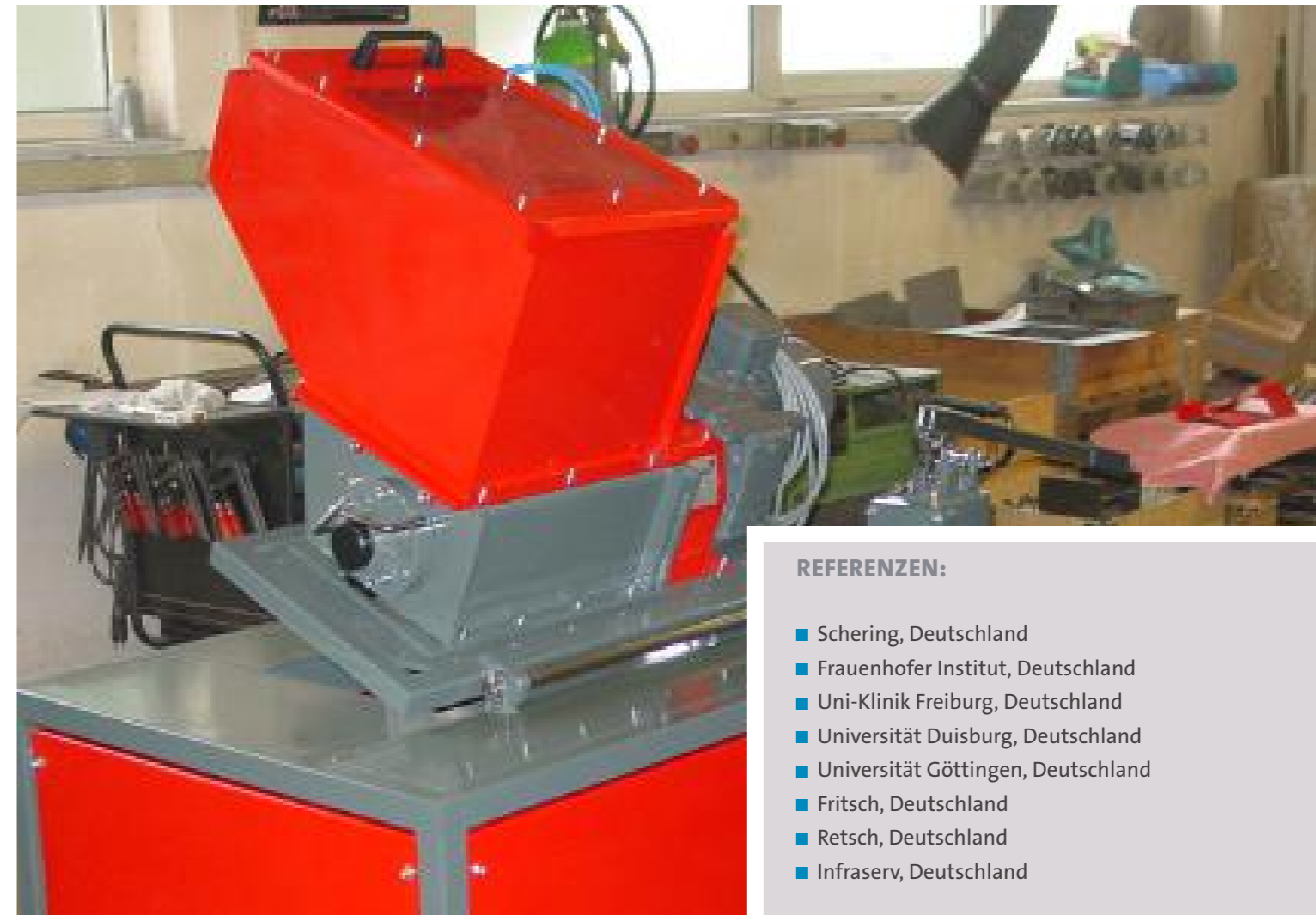
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STATIONARY AND MOBILE SYSTEMS FOR SAMPLING!



REFERENZEN:

- Schering, Deutschland
- Fraunhofer Institut, Deutschland
- Uni-Klinik Freiburg, Deutschland
- Universität Duisburg, Deutschland
- Universität Göttingen, Deutschland
- Fritsch, Deutschland
- Retsch, Deutschland
- Infraser, Deutschland

Exact sample comminution for subsequent analysis!

The comminution of solid waste materials is an important process step in processing technology.

The aim of shredding is to process the feed material to a certain piece size in order to optimally prepare it for subsequent processing steps. Depending on the requirements, material and desired end product, ERDWICH offers customer-specific shredding solutions.

The following main functions differ in the comminution process:

- **Separation comminution** for the uncovering of composites
- **Manufacture of grain sizes** in order to be able to carry out segregation by type

For the analysis of different composites, it is therefore essential to break down these materials to such an extent that the constituents can be precisely analyzed.

In order to be able to examine these samples with the appropriate analysis equipment, it is often necessary to shred the samples and homogenize them during processing.

ERDWICH supplies small stationary and mobile crushing plants for subsequent analysis purposes:

- Waste utilization plants
- Composting plants
- Research institutes and universities for research purposes
- Laboratories for the analysis of samples and waste materials

Depending on the requirements, different shredding systems are used:

- Two-shaft machines as ballast for existing laboratory mills
- Single-shaft shredder with integrated sieve to define the piece size

Erdwisch shredder M400 and M600 special „easy cleaning“ version:

Systems with this hydraulic „Easy Clean“ function can be opened at the push of a button to clean the collecting tank and the cutting unit of the machine. This is particularly advantageous in industries where sensitive or very expensive materials are used, such as research, environmental and pharmaceutical laboratories.

There, the samples often have to be processed and comminuted before they can be analysed for their chemical composition. However, the investigated materials must never be contaminated by residues of previously comminuted samples - regular cleaning of the shredder system is therefore indispensable. With the new technology, the inner workings can be checked and cleaned quickly and easily for residues.

The machine can be opened with the help of a hinge, so that the cutterbar can be completely exposed for cleaning. In this way, it is possible to recover valuable materials without the time and effort involved.

The systems still have individually plugged-in, replaceable blade discs on the cutting rotor, which means that maintenance can be carried out within a short period of time. In addition, the knives can be reground several times.

In order to meet these requirements with maximum process reliability, it is necessary to have a partner with many years of expertise and well-founded manufacturer competence. And there is!

We at ERDWICH are burning with enthusiasm for your tasks. Use the leading ERDWICH technology for your success in the market segment of laboratory and analysis technology.