

SPECIAL WASTE PROCESSING



Further applications areas:

- Electronic waste
- Metal swarf
- Refrigeration plant
- Substitute fuels
- 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



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

We look forward to seeing you there.



CUSTOMIZED PROCESSING PLANTS FOR HAZARDOUS WASTE!

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SPECIAL WASTE PROCESSING

NO CHANCE FOR HAZARDOUS WASTE



REFERENCES:

- UWE Sondermüll, Germany
- Amstutz, Switzerland
- TD Medical, Vietnam
- Freudenthaler Austria
- Infraser, Germany
- Merck, Germany
- Ropeco, Romania
- Gravity Health, India

Highest process reliability due to robust and durable plant components!

Special waste, also known as toxic waste or hazardous waste, is a special waste that poses a danger to the environment and human health.

According to the Closed Substance Cycle and Waste Management Act, these waste materials are waste requiring monitoring and must be disposed of in a separate way.

A large part of these wastes such as oil containers, paint and chemical containers, spray cans, paint sludge, laboratory chemicals as well as solid and pasty waste from the chemical and pharmaceutical industry are collected in the form of barrels/IBC containers or approved containers and recycled accordingly.

In the field of hazardous waste, recycling is becoming increasingly relevant. Hundreds of machines and plants are in successful operation worldwide. As diverse as the range of materials used for hazardous waste is, so are the plants and solutions from ERDWICH.

Be it the treatment of spray cans for the separation of solid and liquid substances, the destruction of pharmaceuticals, the treatment of oil filters or even the crushing of filled drums or IBC containers. In order to condition the material homogeneously for high-temperature combustion, metal frames are separated and wood or tobacco waste is mixed in.

The plant solutions range from simple shredders for reducing the volume of the waste to complete large-scale plants for shredding and sorting.

Advantages:

- Reduction of hazards caused by toxic substances and other environmentally harmful materials
- Reduction of waste volume by up to 75%
- Proven ERDWICH quality
- Low-maintenance machines for smooth operation

Application example:

Processing plant for hazardous waste in Switzerland

All vessels (drums, small containers and IBC containers) are to be crushed with one plant, mixed with sawdust and then prepared for further treatment and disposal.

Specifications:

- High security requirements
- Explosion hazard
- Extraction of environmentally hazardous vapours
- An almost fully automatic system with various program options

The barrels are stored on an automatic roller conveyor, automatically moved into a lift/tilt device and transported to the shredder. IBC containers or small containers are fed directly into the hoisting and tipping device and fed to the shredder.

Depending on the input, different program-technical processes can be run so that different batches can be processed.

After shredding, the material is discharged by means of a screw conveyor - in accordance with the program, different quantities of sawdust are fed, mixed with the open shredded material and discharged into containers provided for this purpose.

All FE-parts are automatically separated and thus recycled. Continuous monitoring in every operating condition and correspondingly integrated extinguishing devices ensure optimum security.

This is only one of the strengths of all ERDWICH systems and solutions: Maximum process reliability thanks to robust, durable system components that run reliably and smoothly are a matter of course. Day after day, night after night. Today as tomorrow.