

DESTRUCTION OF HOSPITAL WASTE



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.



RELIABLE DESTRUCTION AND PROCESSING OF HOSPITAL WASTE!

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Made in Bavaria

DESTRUCTION OF HOSPITAL WASTE

DESTRUCTION UNTIL UNRECOGNIZABLE!



REFERENCES:

- TD Medical, Vietnam
- Meteka, Austria
- Holcim a.s., Slovakia
- Gravity Health, India
- Ropeco, Romania
- and many more

The destruction of hospital-specific waste can only be accomplished by systematic shredding.

The increase in infectious waste from the health sector, the rapid growth of the world's population, epidemics such as SARS, avian flu, BSE and natural disasters - a development that is presenting the waste management industry with more and more new and complex challenges.

The most sensible way of treating biologically contaminated material is to convert it into household waste or for recycling by reliably killing the bacteria.

The different methods of disinfection or sterilisation of hospital-specific waste can only be ensured in combination with shredding both before and after the process.

ERDWICH shredders have proven themselves in this segment and can be used in both cases.

Shredding with the ERDWICH single-shaft shredder with perforated sieve enables the exact size of the initial material to be determined. This ensures that all materials are destroyed and opened to such an extent that they reliably kill all bacteria in the subsequent thermal process.

Application example 1:

Prior to the process, the machines are filled directly into the feed hopper with large containers of up to 1.1 cbm capacity and processed in a closed system. Subsequently, disinfection and sterilization processes can be carried out.

Application example 2:

Here, containers of up to 80 ltr. or refuse bags are fed directly into the feeding area of the shredder after the treatment process.

Also in this case, the material is treated in the closed process with the containers to a definable piece size.

Many processes sterilize the material in so-called small systems. However, these wastes must be made unrecognizable after the process, so that there is no possibility of further use, e.g. spraying or similar.

With the extensive product range of single and three-shaft shredders with a perforated sieve installed underneath, ERDWICH is able to cope with almost any requirement and the required throughput capacity.

Advantages:

- High throughput capacity
- Safe killing of bacteria and elimination of the bacteria
Risk of infection through sterilization
- Precisely defined piece sizes make it possible to shred the waste to an unrecognizable size.
- Reducing the risk of working with the material
- Simplification of transport and logistics as well as cost saving

Application example STS sterilization systems:

Formerly infectious waste leaves the plant as dry and free-flowing granulate, which can be treated like normal household waste. But how can we ensure that the waste is no longer infectious after treatment?

This works as follows:

Reliable sterilization is possible if the waste is homogeneously comminuted before thermal treatment. For this purpose, a special shredder is integrated in the plant that crushes the particle size of the treated waste leaving the plant.

A high proportion of liquid in the waste is also no problem for STS systems. Excess liquids are collected via an integrated liquid system and pumped into the sterilization chamber for treatment with the solids.