

**PHARMACEUTICAL INDUSTRY**



**Further applications areas:**

- Electronic waste
- 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.



**SAFE COMMINUTION OF PHARMACEUTICAL PRODUCTS!**

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## PHARMACEUTICAL INDUSTRY

## SAFE AND CLEAN!



### REFERENCES:

- P&G, Germany
- Boehringer Ingelheim, Germany
- Braun, Germany
- CIBA, Germany
- Ekora - LEK, Germany
- West Pharmaceutical, Germany
- Schering, Germany
- Novartis, Germany

## Specialized shredding systems make the disposal of Pharmaceutical waste safer and cheaper!

In the manufacture of pharmaceuticals, all batches that do not meet the regulatory requirements must be destroyed in accordance with the regulations of chemical and waste legislation.

But not only faulty batches from production, but also rejects and expired stock must be shredded or destroyed. This presents pharmaceutical industrial companies with the following challenges time and again:

- prevent abuse
- Dust-tight destruction processes
- ensure optimal disposal
- Separate liquid from packaging

Disposal must be carried out by all pharmaceutical companies in accordance with the regulations, but the issue is seen as a cost factor and a necessary evil.

More and more pharmaceutical manufacturers are shredding their waste and thus increasing their safety standards.

ERDWICH shredders destroy dangerous, qualitatively questionable or unauthorised preparations absolutely safely!

Only complete destruction can prevent uncontrolled distribution and unfair trade.

The main focus in the processing of pharmaceuticals is on the safety of employees in dealing with these types of waste. For this reason, great importance is attached to a clean and closed design when designing the machine or plant in order to protect employees during filling and removal of the processed material.

We also use special safety measures with closed discharge systems or ventilation extraction systems to protect the environment from unnecessary pollution.

Infusion bottles, glass bottles with liquids, blister packs, tablets and many more - ERDWICH offers an extensive product range of small to large single-shaft shredders with an integrated perforated sieve for almost every application.

## Shredding plants for process-safe processing

In connection with plant components such as lifting and tilting devices, screw conveyors, scrubbers, separating techniques as well as suction and filter systems, ERDWICH also supplies customer-specific and turnkey plants.

### Plant examples:

- Large-scale plant for crushing the contents of 1.1 cbm containers, mobile. Outdoor installation
- Shredding plant installed over 2 building floors
- Large shredder for crushing whole cardboard drums with contents
- Crushing plant with press container
- System with movable shredder and 3 press containers
- System with manual feeding and discharge into 1.1 cbm container
- System with three-shaft shredder for dust-tight operation

### Crushing and dewatering plants for infusion bottles and related equipment

- Crushing plant with drainage channel and discharge belt
- Multifunctional shredder for shredding infusion bottles (wet), alternatively blister packs (dry)
- Shredding plant with discharge via screw with integrated flushing device
- Shredder plant with dewatering screw and lifting and tipping device

**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 the pharmaceutical industry.