

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

IBC'S AND BARREL SIZE REDUCTION



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

We look forward to seeing you there.



CRUSHING OF PLASTIC CONTAINERS AND BARRELS

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IBC'S AND BARRELS SIZE REDUCTION

INDIVIDUAL PLANT TECHNOLOGY FOR EFFECTIVE VOLUME REDUCTION.



REFERENCES:

- Sulo, Germany
- Gebrüder Otto, Germany
- Amstutz, Switzerland
- Hoechst AG, Switzerland
- Schütz Werke, Germany
- Fass Braun, Germany
- Höku, Germany

Crushing of plastic containers and barrels

Acids, alkalis, solvents, isocyanates - anyone who deals with dangerous substances and transports them in containers will always end up with the problem of proper disposal of the containers.

For a long time, the common practice of reconditioners was to disassemble used and non-reusable containers after cleaning and either recycle or dispose of them separately according to materials.

The plastic inner containers were collected and transported by truck to the incineration plant.

However, this method caused very high transport and disposal costs.

Large-volume containers such as 200 litre drums, waste containers up to 1.1 cbm, IBC containers with a capacity of up to 1.5 cbm, car bumpers and other large plastic parts can, however, be recycled through targeted processing.

Depending on the requirements, the shredded parts are washed if necessary before further processing and then processed into a granulate with so-called cutting mills. After reprocessing, these can be used industrially for the production of new parts.

Here the ERDWICH shredders are convincing:

With the two-shaft shredder, the material can be shredded into strips, while the ERDWICH three-shaft shredder can define the piece size more precisely by means of a built-in sieve.

In the case of very large-volume containers, a pushing device is integrated in the hopper so that the material can be reliably grasped by the cutterbar. Here too, ERDWICH offers various components (conveyor systems, washing equipment and granulation) for a turnkey plant according to customer requirements.

The combination of pre-shredding and granulation is an extremely economical solution, as energy consumption can be kept to a minimum.

Application example:

Crushing plant for commercial plastic barrels

Process sequence:

- The barrels are inserted manually into the feed hopper.
- The barrels are inserted manually into the feed hopper. The hopper contains a pushing device that feeds the barrels to the cutterbar. This means that even large-volume round drums can be reliably detected.
- The barrels are crushed into pieces or strips the size of a palm.
- From the pre-shredder, the pieces fall directly into the granulator underneath and are then shredded to the previously determined granulate size.
- The crushed material is then discharged into a container with a screw conveyor.

Special advantages for shredding of large-volume plastic containers:

- Slowly running shredding system - therefore:
 - Little wear on the knives
 - Low noise emission, dust-free shredding
- Insensitive to foreign bodies (machine has automatic reversing)
- High throughput rates
- Double bearing sealing with the ERDWICH bulkhead wall technology - even when processing bubbles with residual contents, the bearing is protected against moisture ingress (also paints and solvents)

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 manufacturing competence. ERDWICH is that partner!

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