

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

SHREDDING OF SCREENINGS



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

We look forward to seeing you there.

OPTIMAL CRUSHING OF CONTAMINATED AND WET SCREENINGS!

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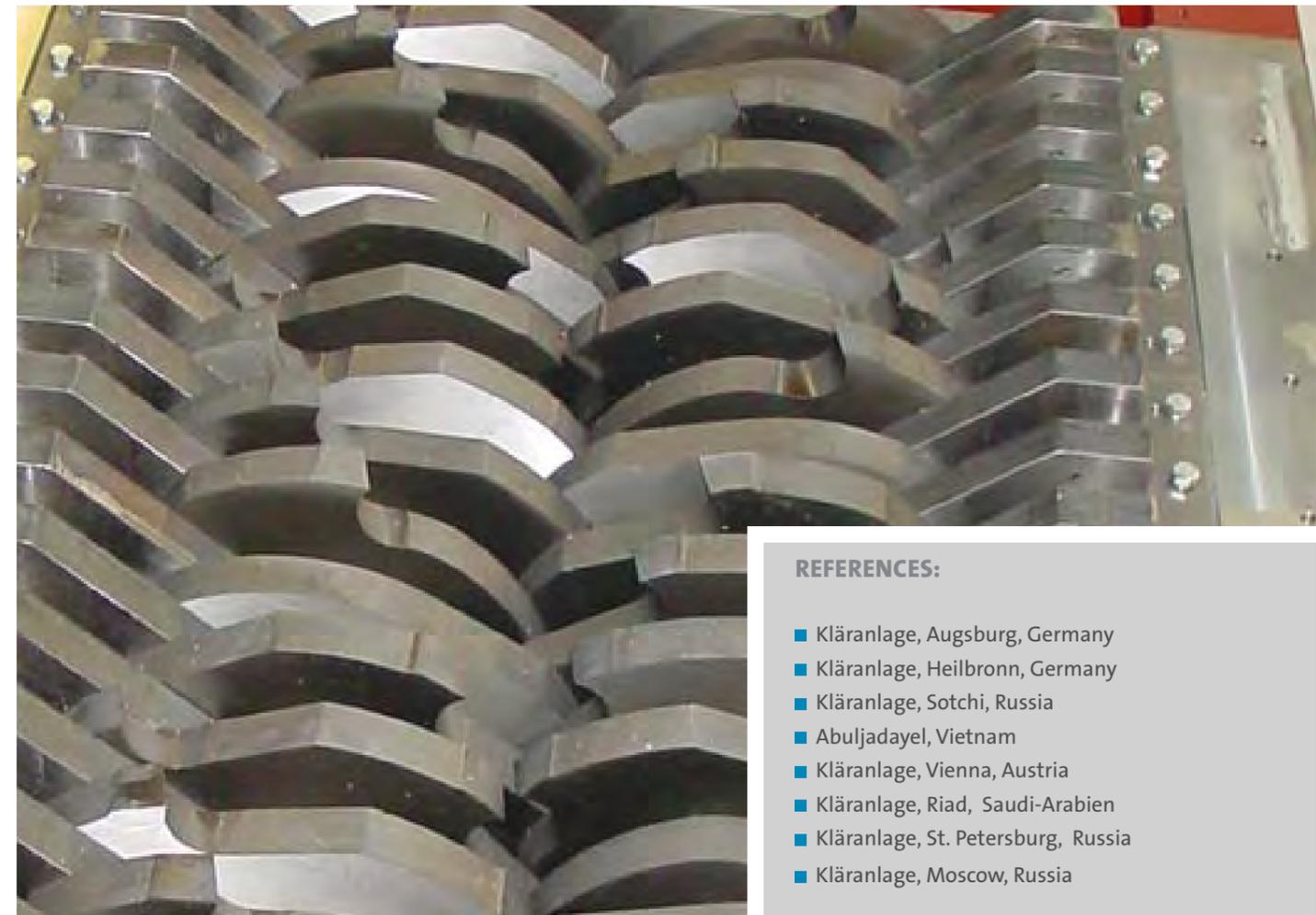
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Made in Bavaria

CRUSHING OF SCREENINGS

ERDWICH SHREDDER WITH ADDITIONAL BULKHEAD WALL



REFERENCES:

- Kläranlage, Augsburg, Germany
- Kläranlage, Heilbronn, Germany
- Kläranlage, Sotchi, Russia
- Abuljadayel, Vietnam
- Kläranlage, Vienna, Austria
- Kläranlage, Riad, Saudi-Arabien
- Kläranlage, St. Petersburg, Russia
- Kläranlage, Moscow, Russia

Economic waste water treatment

Wood parts, plastic films and other heavy materials are fed into a sewage treatment plant via the waste water inlet. These collect with the screenings in front of the screening plants. These are then removed from the waste water stream by means of the screen clearing.

To ensure that the screenings can be dewatered as far as possible before disposal, the material must be crushed. Two-shaft shredders are usually used for this shredding process.

Since the screenings are wet and some of them contain abrasive impurities, a special and constructive advantage of the ERDWICH twin-shaft shredder is used here:

The bulkhead wall for additional bearing sealing:

In order to protect the actual bearing seal with labyrinth seal, the ERDWICH two-shaft shredder has an optional option of an additional upstream seal by means of stuffing boxes, which is separated from the cutterbar by an additional wear-protected bulkhead.

With this machine technology, a smooth comminution of wet and contaminated screenings is guaranteed.

For the smaller sizes, this technology is available as an option.

The shredded material can be fed directly to a coupled screenings screw press. In this process, the material is compressed and dewatered. In this way, disposal costs can be reduced many times over.

However, in order to achieve an even higher dry matter content, it is necessary to wash the screenings before the screw press in order to remove faeces, grease and sludge.

Depending on the size of the rake, there are also different machine sizes for these applications.

Advantages of crushing screenings:

- Volume reduction of up to 75%.
- Time and cost savings, e. g. during transport due to simplified handling
- Reduction of hazards due to contamination and infection

application examples:

Shredder with direct discharge into dewatering screw

The shredder is fed by the screen conveyor. A level sensor is installed in the material hopper of the shredder to prevent overfilling. The crushed material falls directly from the shredder into a dewatering press.

Shredder with flushing device

The shredder is fed via a conveyor belt. A level sensor is installed in the material hopper of the shredder. In addition, the feed hopper has a lateral discharge chute, so that when the system is overfilled, the material can fall through this chute past the shredder and directly into the dewatering system.

This ensures that the system is not overcrowded even under short-term peak loads.

Furthermore, the hopper is equipped with a spraying device, so that the shredder can be cleaned and rinsed regularly automatically from solidifying sludge and fine abrasion.

additional stuffing box seal machine housing



additional bulkhead bearing sealing

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 one!

We at Erdwich are burning with enthusiasm for your tasks. Make use of the leading ERDWICH technology for your success in the market segment of screenings.