



The best of WEEE recycling



Eldan WEEE recycling plants and machines

In Eldan WEEE* recycling plants most of the items mentioned in the WEEE Directives of EU can be processed. To achieve the required type of end-product different standard recycling plants are available. These standard plants are also the starting point when plants are tailored to suit specific customer requirements.

The flexibility of the modular approach means that a number of combinations can be obtained, ranging from a

single machine to complete systems. The Eldan plants are designed for automatic processing, i.e. staff is required for surveillance only.

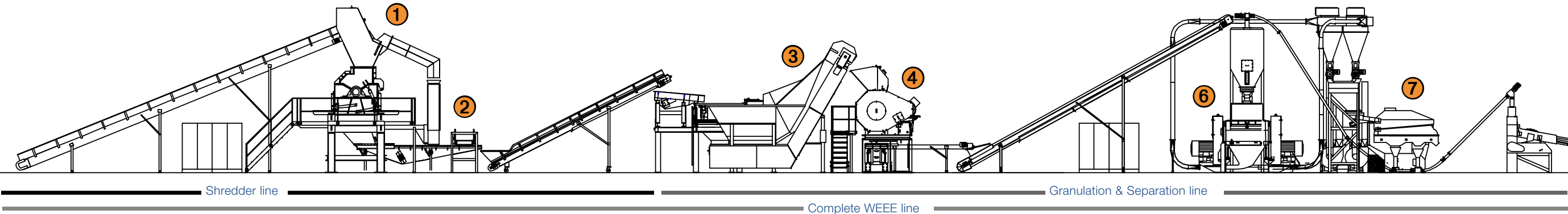
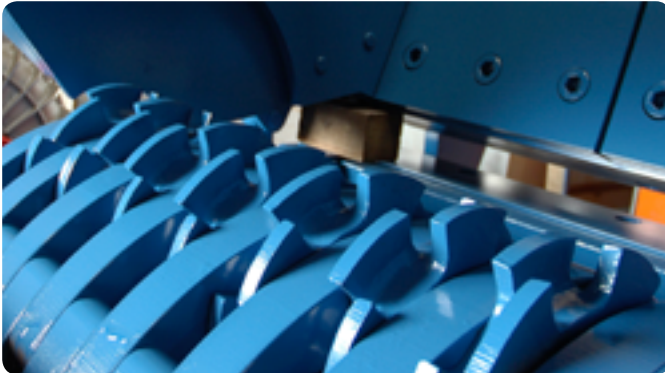
*Waste Electrical and Electronic Equipment

Proven technology

Eldan equipment is designed to meet market requirements, thus the individual machines can easily be adjusted to other fraction sizes, merely by changing the screen size in the machines.

Features

- High performance
- Low processing costs
- Low power consumption
- Low maintenance costs
- Metal fraction suitable for selling to copper smelters and precious metal refineries
- Minimum loss of metals
- Ambient mechanical technique for size reduction and separation
- Eldan plants are tailored to suit your requirements and facilities



1. Shredder

A powerful, high-speed Ring Shredder for size reduction of WEEE scrap enabling the majority of ferrous material to be removed.

2. Eddy Current Separator 1

This Eddy Current Separator ensures the separation of large size pieces of non-ferrous metals from the organic/wire fraction.

3. Tumble Back Feeder

This machine ensures a continuous flow into the Multi Purpose Rasper thus ensuring an optimum load/utilization of the Multi Purpose Rasper.

4. Multi Purpose Rasper

This machine is an effective, medium-speed, dual drive Rasper designed for WEEE recycling. It ensures individual size reduction down to approx. 12 mm.

5. Eddy Current Separator 2

This Eddy Current Separator ensures the separation of medium size pieces of non-ferrous metals from the remaining organic/wire fraction.

6. Heavy Granulator

A high-speed, single shaft Heavy Granulator for the final granulation stage.

7. Separation Table

The Separation Table is used for the final separation of the mixed fraction into an organic (plastic) fraction and a mixed metal fraction.



Input



Shredded material



Non-ferrous metals after the ECS 1



Non-ferrous metals after the ECS 2



Precious metals after the Separation Table

After sales service ensure reduced downtime:

The Eldan After Sales Division is your reliable partner!

- The After Sales Division offer ad hoc service on existing as well as new equipment through our trained and experienced service engineers and supervisors
- Eldan constantly holds an extensive stock of spare and wear parts
- The flexible service contracts ensure planned, preventive maintenance of your production line
- Tailored contracts ensure that parts are available for immediate call off
- Contact one of our spare and wear part coordinators, and we will supply the best possible solution for your company



Optional modules for specific customer requirements:

Super Chopper

A powerful, low-speed, single or dual shaft pre-chopper used for pre-chopping of the input material – partly to size reduce the input and partly to increase the capacity of the WEEE recycling plant.



Drum Wind Screen

Used for cleaning of the steel fraction.

Water Separation Table

Used for recovery of metals from the organic (plastic) fraction.

