



The best of cable recycling

Low and medium capacity systems



Redoma cable recycling plants and machines

Redoma Recycling and Eldan Recycling form Eldan Group - a leading global supplier of equipment for profitable recycling.

Redoma offers small and medium-sized cable recycling plants from 150 kg/h up to 2000 kg/h while Eldan focuses on high capacity recycling solutions from 2000 kg/h up to 10000 kg/h (for all kind of cable).

Redoma offers traditionally three types of cable recycling lines; Thunderhawk, Powercat and Firefox. The standard setup includes a Rough Chopper, a Granulator and a Separator. All machines can be used as single machines or be integrated in different recycling plants for similar applications.

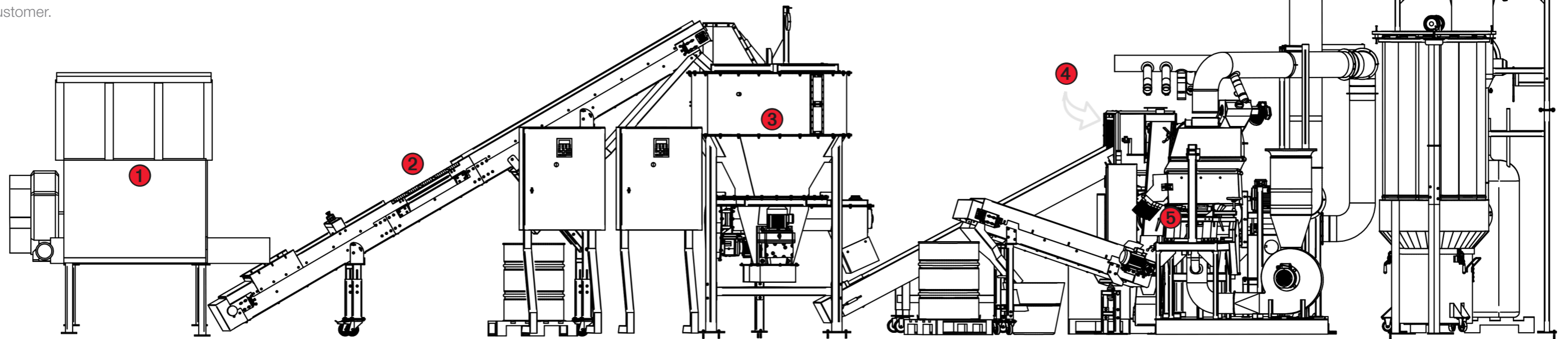
Proven technology

Redoma cable recycling lines have a modular design for maximum flexibility and are tailored to suit specific requirements and facilities. Built for tough working conditions Redoma plants provide a perfect solution for every customer.



Features

- Excellent price/performance ratio
- Low investment costs
- Overall low cost of ownership
- High performance
- Minimum loss of metals
- Minimum 99.5% metal purity
- Plants/machines are based on ambient mechanical technique for size reduction and separation. No melting or chemical treatment is required



Layout example: Powercat B

1. Rough Chopper

Single shaft pre-chopper ensuring size reduction down to approx. 10-25 mm in fraction sizes.

2. Overbelt magnet

For removing of ferrous parts from shredded cable fraction after Rough Chopper.

3. Buffer Silo

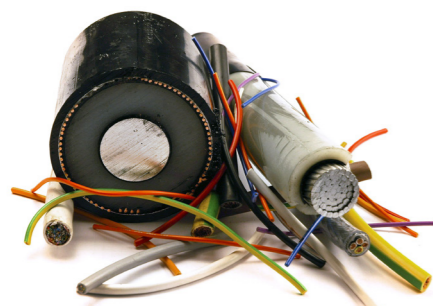
Buffer Silo with variable speed screw conveyor balances the output from the Rough Chopper into the Granulator.

4. Granulator

High-speed, single shaft Granulator for final granulation stage, releasing insulation from conductor. Fraction sizes typically between 4-7 mm granules.

5. Separator

Final separation of material into metals and insulation. Minimum 99.5% metal purity.



Input material



Downsized material



Organic/insulation granules



Aluminium granules



Copper granules

After sales service ensures reduced downtime

- The After Sales Division offers ad hoc service on existing as well as new equipment through our trained and experienced service engineers and supervisors
- Redoma 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

The After Sales Division is your reliable partner!



Optional modules for specific customer requirements

Screening Machines (SM)

For recovery of metals remaining in the plastic fraction.
Reduction of metal losses down to 2%.

Electrostatic Separation Systems (ESS)

For recovery of metals remaining in the plastic fraction by using electrical charge. Metal particles less than 0.1 mm can be separated. Purity of metals and plastics above 99%.

Water Separation Table (WST)

For recovery of metals remaining in the plastic fraction.
Reduction of metal losses down to as little as 0.2%.
Enabling an increase of the capacity of the entire plant.

Cable Strippers

For peeling of cables with a diameter from 10-150 mm.
Capacity up to 30 meter/minute.



Electrostatic Separation System (ESS)