

The best of cable recycling

Low and medium capacity systems. Middling fraction ensure increased capacity. Impressive performance. Superior output fractions. Low running costs.



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 1700 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, Powerkat 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.

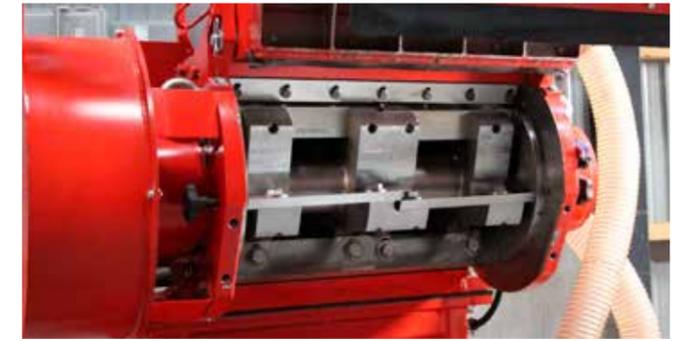
Proven technology

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.

Benefits

- ▶ Worlds largest manufacturer of cable recycling equipment
- ▶ Extensive experience - more than 60 years
- ▶ Excellent price/performance ratio
- ▶ Low investment costs
- ▶ Overall low cost of ownership
- ▶ High performance
- ▶ Minimum loss of metals
- ▶ Metal purity up to 99,9%
- ▶ Plants/machines are based on ambient mechanical technique for size reduction and separation, no melting or chemical treatment is required
- ▶ Separation table with middling fraction - ensuring increased capacity

We guarantee plant capacity and output product quality!



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

2. Belt conveyor. Belt conveyor with drum magnet for steel removal.

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 3-8 mm granules.

5. Separator. Gravity air separator with returning middling fraction. Final separation into metals and insulation. Minimum 99,5% metal purity.

Layout example: Powerkat B

Optional modules for specific customer requirements

Classifier

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

Electrostatic Separation Systems

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 up to 99,9%.



Electrostatic Separation System

Water Separation Table

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.



Cable Stripper

Ensure reduced downtime!

- The After Sales Division (ASD) offer ad hoc service on existing as well as new equipment through our trained and experienced service engineers and supervisors
- We constantly hold 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 REDOMA/ELDAN ASD is your reliable partner!

