

E-Waste Recycling Plant

Electronic waste processing line | Recycling line – WEEE



Product description

The complete e-waste processing line recovers the valuable metal fractions from electronic waste – including copper, aluminium and precious metals – using integrated shredding, magnetic, eddy-current and electrostatic separation technology. Fully automated, it meets the requirements of the EU WEEE Directive (2012/19/EU).

Key technical features

Parameter	Value
Processable materials	PCBs, computers, phones, TVs, smaller household electronics
Process steps	Disassembly → shredding → magnetic → eddy-current → electrostatic separation
Recovered fractions	Copper, aluminium, precious metals (Au, Ag, Pd), plastic
EU compliance	WEEE Directive 2012/19/EU
Control	PLC automated
Supply voltage	380 V / 50 Hz

Applications

- Building take-back and processing systems for WEEE obligations
- Recovery of precious metals (gold, silver, palladium) from PCBs
- Copper recovery from electronic waste
- Capacity expansion for waste management and recycling companies