



RESTEEL®

INNOVATION IN
METAL SCRAP PROCESSING



COPPER CONTAMINATION OF FERROUS SCRAP NOW HAS A TOTAL SOLUTION



ReSteel International B.V. develops leading technological solutions for the steel recycling industry. Thanks to its break-through and patented separation technology, ReSteel offers scrap processing companies concrete solutions to escalating scrap contamination issues, making it possible to attain a **clean scrap fraction with a constant and known specification, and a reduction of copper rich parts by more than 90%**.

An industrial solution to an industry-wide problem

A serious decline in the quality of scrap, particularly for the automobile (ELV), electrical and electronic (WEEE) and incineration scrap industries, has created an urgent need for new and more powerful separation techniques – a need met by ReSteel.

ReSteel's **CSM (Clean Scrap Machine)** utilises a technology capable of identifying and extracting 'clean' scrap from the scrap stream, thus separating it from copper-rich and non-ferrous elements such as motor armatures and transformers. In this way, and by working with your existing installation, the CSM consistently produces a clean scrap fraction no less than 75 – 85% of the total volume, and comprising almost **pure iron, with a copper content frequently less than 0.1%**.

With the remaining fraction only 15–25% of your volume, further processing of your contaminants including copper also becomes both faster and easier. You can access this machine on a complete 'profit-share' lease basis, which means no big investments are needed. And with installation, maintenance and upgrades all performed by ReSteel, competitive market advantage doesn't come much easier.



WHAT ARE THE BENEFITS FOR YOUR COMPANY?

Every scrap plant has the opportunity to install one or more Clean Scrap Machines, which means your company can access the following benefits today:

- **Higher quality scrap**
thanks to a reduction of copper rich parts in the ferrous scrap stream by 90%, ensuring easy compliance with industry requirements
- **Higher copper revenues**
thanks to double the amount of copper rich parts from your scrap
- **Increased processing capacity**
leading to significantly more scrap processed per hour, and with the need for less manual labour
- **Consistent quality**
owing to a mechanical process that produces a consistent and known specification, every time
- **Simple and robust**
it's an industrial solution that is guaranteed to endure a harsh environment
- **A total and long-term solution**
that comes with full installation, maintenance support, and upgrades
- **No CAPEX**
meaning no big upfront investments or capital expenditure required



Expertise & Experience

The team at ReSteel International B.V. includes leading scientists in separation techniques from the **University of Technology Delft**, as well as experienced managers in the field of waste management. Our investment partners, cleantech capital investment firm **Icos Capital**, and supervisory and advisory board members, bring additional international knowledge, networks and experience into the company. The results speak for themselves. ReSteel is rapidly carving a reputation for itself as the leading supplier of cutting-edge technological solutions for the steel recycling industry.

Working towards a recycling society

By rendering ferrous scrap completely clean, while concurrently doubling the quantity of copper that can be extracted from the ferrous scrap stream, ReSteel solutions ensure that scrap continues to serve as a vital source of raw materials for both the steel and copper production industries. Which, in turn, leads to a reduction in our energy consumption and CO₂ production, and ultimately, a more sustainable use of the world's resources.



CONTACT US

Need to know more?

Find out more about how your company can benefit from the ReSteel Solution today by contacting us at:

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