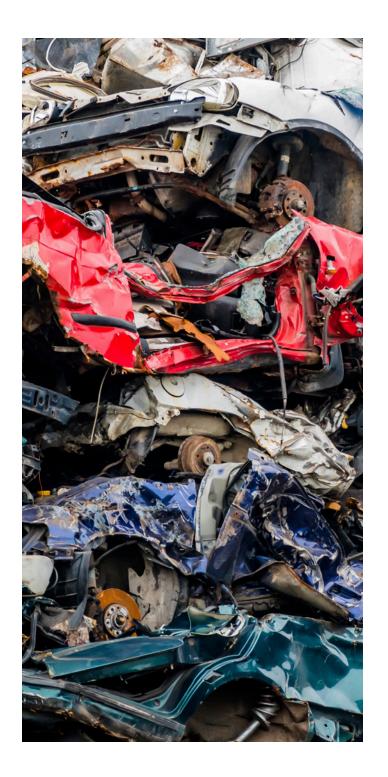


### METALS RECOVERY

ADVANCED SENSOR-BASED SORTING TECHNOLOGY FOR OPTIMIZED RESULTS



# RECOVER FOR VALUE

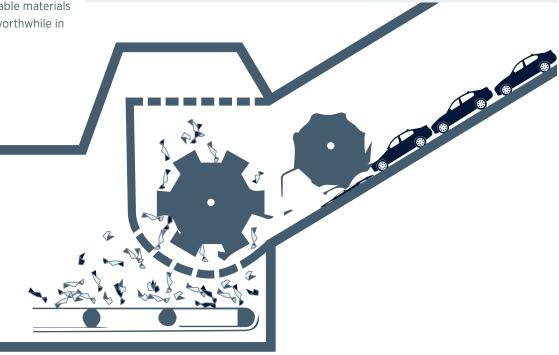
The growing demand for high-quality, secondary raw materials renders targeted recycling increasingly attractive. Whether Copper, Aluminum or Stainless Steel, the processing of sorting valuable used Metals from shredder operations protects the environment and is considerably cheaper than production of Metals from primary resources.

With modern TOMRA's efficient sorting technology, separating valuable materials from Metal waste makes it worthwhile in every aspect.

### A CASE: MORE STRINGENT EU LEGISLATION

Every year, End-of-life vehicles (ELV) generate between 7 and 8 million tons of waste in the European Union which should be managed correctly. Since 2015, the EU wide ELV Directive (2000/53/EC) mandates a recycling ratio of 95% for disused vehicles. Overall, the ELV Directive seems to have been effective in reducing the environmental impacts of this waste flow. The efficiency analysis of the Directive suggests that the various environmental and economic benefits of the ELV Directive outweigh the costs of its implementation.\* This can only be achieved by means of high-value processing lightweight and heavy shredder fractions.

\* Expost evaluation of certain waste stream; Directives, Final report, European Commission, DG Environment, 18 April 2014

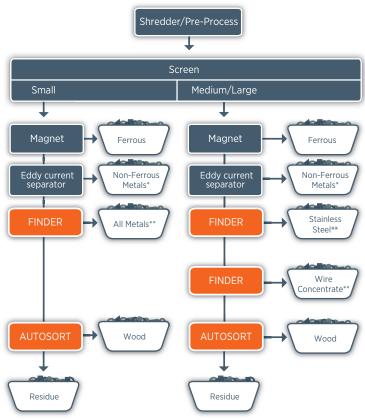


## THE SOLUTION: SEAMLESS AND FLEXIBLE

In pre-process, the input material is shredded and the magnetic fraction (Steel) is removed.

The remaining metals are separated utilizing Eddy Current Separation technology and TOMRA's sensor-based sorters, which separate Stainless Steel (Zurik), residual Metals and a Copper Wire fraction.

**The result:** Stainless Steel (Zurik) and Copper Wire fractions generated from shredder residue and greatly enhanced yield value



<sup>\*</sup> Option to sort by X-TRACT & COMBISENSE

<sup>\*\*</sup> Option to upgrade with AUTOSORT scanner

### THE RESULT: CONSTANTLY VALUABLE YIELD

## THE TOMRA ADVANTAGE

TOMRA PRODUCTS PROVIDE

THE HIGHEST - AND MOST CONSISTENT - PRODUCT YIELD IN THE INDUSTRY

SHORT PAYBACK PERIOD

OF TOMRA MACHINES
RESULTING FROM RELIABLY
HIGH-QUALITY OUTPUT

FIELD-PROVEN PROCESS AND MACHINE DESIGN

DEVELOPED WITH INDUSTRY PARTNERS

ESTABLISHED, EXTENSIVE AND SPECIFIC APPLICATION KNOWLEDGE LEADING

TO TAILORED SOLUTIONS
THAT MEET INDIVIDUAL
CUSTOMER REQUIREMENTS
AND OPTIMIZED RESULTS

SUBSTANTIALLY LESS
DOWNTIME, GREATER
OUTPUT STABILITY AND
LOW ENERGY CONSUMPTION

THROUGH ROBUST

MACHINERY AND

PIONEERING TECHNOLOGY

MODULAR DESIGN AND SIMPLE INTEGRATION

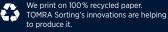
SUPERIOR ALL-AROUND SERVICE SUPPORT WITH

TOMRA CARE

### Find out why: www.tomra.com/recycling







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