

CUSTOMER CASE
CRONIMET

A STEP CHANGE IN METAL
RECYCLING OPERATIONS

” The scrap yard in Kalix is cramped and it's difficult to manage the truck traffic efficiently, but with Intermercato's weighing system fitted to the Fuchs machine, we can optimise our loads directly every week. The scales are reliable, accurate and have made the loading process considerably more efficient. ”

Ola Mannberg - VD, Cronimet Norr

BACKGROUND

Cronimet is a global leader in metal recycling and one of the world's leading specialists in stainless steel and high-alloy scrap. The company serves customers ranging from private individuals and workshops to large industrial companies and municipalities.

Over the years, Cronimet, a German company, has grown into an international organization with operations in more than 70 locations across six continents, including five facilities in Sweden: Luleå, Kalix, Piteå, Skellefteå, and Umeå. In several of these sites Cronimet use the **Intermercato wireless scales** for scrap metal.

By handling, processing, and supplying high-quality stainless and high-alloy scrap, Cronimet plays an important role in the circular economy. Recycled scrap metal is today a critical raw material in the production of stainless steel used in industries around the world.

INDUSTRY Metal recycling

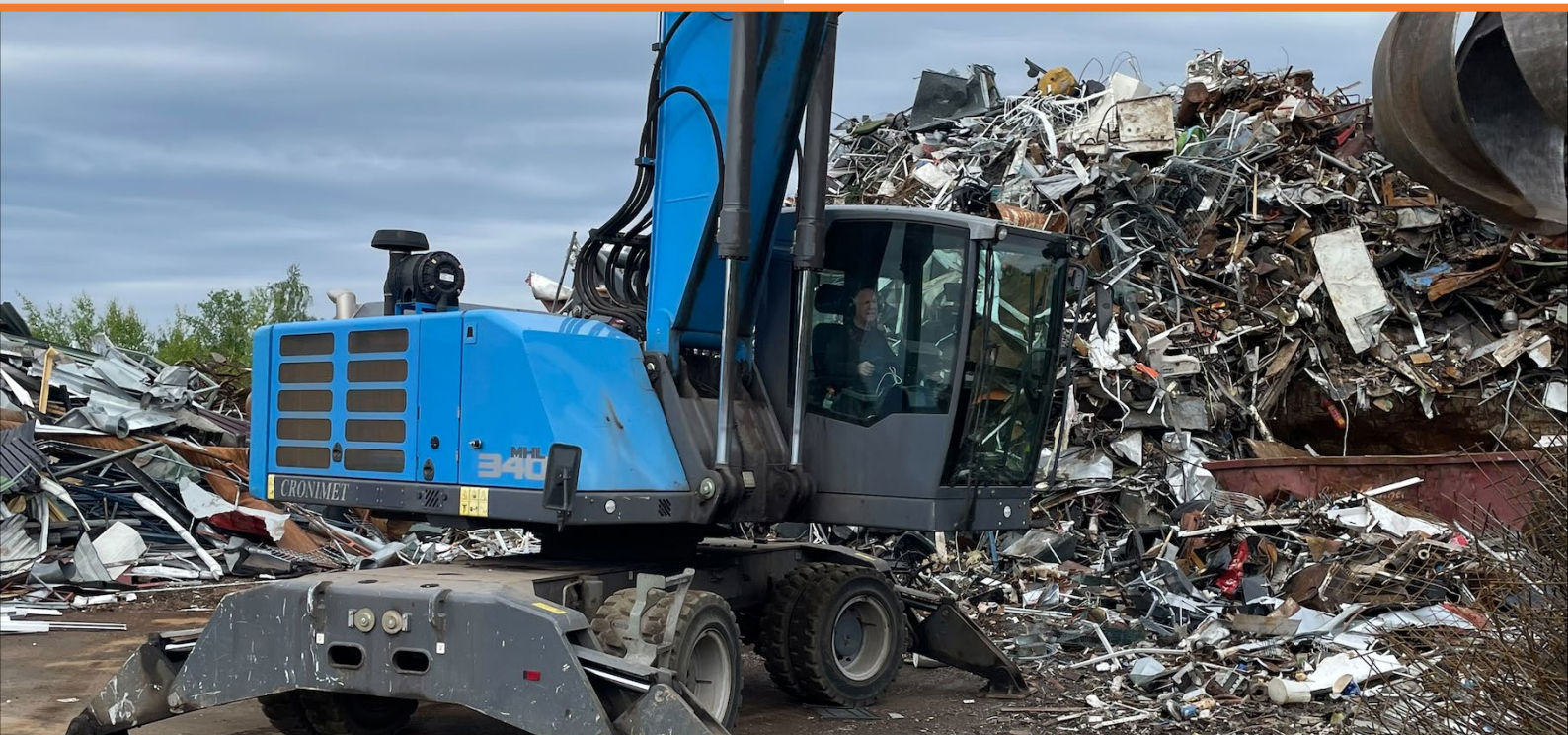
MACHINE Fuchs MHL340

COUNTRY Sweden

SERVICES Handling, processing, and supplying high-quality stainless and high-alloy scrap



CRONIMET



THE CHALLENGE

For smaller scrap recycling operations, efficiency is often less about processing large volumes and more about making every movement count. With limited space and only a few outgoing loads each week, accurate load optimization becomes an important part of daily operations.

At the Kalix facility, around three to four truck combinations are loaded each week. The site does not use the machine for internal sorting, which means both the material handler and weighing system are used relatively infrequently. Instead, the main purpose of the weighing system is to ensure that each truck leaves with the correct payload.

With limited space at the scrap yard, weighing vehicles efficiently on a traditional weighbridge can be challenging. Repeatedly moving and repositioning trucks to check their total weight adds unnecessary steps to the loading process. By weighing the material directly on the Fuchs material handler, operators receive immediate weight information during loading and can adjust the payload before the truck leaves the loading area.

Accurate weighing directly on the machine also places specific demands on the weighing system. Scrap is an irregular and dynamic material that can shift during handling, making consistent measurements more challenging. A reliable onboard system therefore needs to provide stable and accurate weight information under real operating conditions.

Cronimet required a weighing solution that could:



- **Provide** reliable weight information directly during loading
- **Optimize** payload and reduce unnecessary vehicle movements and dependence on the weighbridge
- **Withstand** demanding environments in metal recycling facilities
- **Offer** a simple, operator-friendly solution

THE SOLUTION

To meet these demands, Intermercato supplied its wireless weighing technology MH 15-50 developed specifically for heavy-duty material handling and recycling applications.

Integrated directly into the lifting equipment, the **Intermercato wireless scales** allow operators to weigh scrap metal during the lifting process without interrupting workflow. This eliminates unnecessary repositioning and creates a faster, more efficient handling operation.

One of the major challenges in scrap metal handling is that material can move or fall from the grapple while lifting, making conventional weighing systems unstable and inaccurate. To solve this, Intermercato developed a dedicated weighing algorithm specifically optimized for scrap metal applications.

The system quickly stabilizes the measurement and delivers accurate weight data in as little as three seconds — even in dynamic lifting conditions.



Intermercato Intelligent Weighing Systems MH15



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SE**



Die weltweit
The world's only
certified and type-
approved scale
for hanging load
in motion



THE RESULT

HIGH WEIGHING ACCURACY

Reliable measurements help ensure correct material quantities in every batch.

WIRELESS OPERATION

Real-time weight data provides operators with greater flexibility and visibility during handling.

REDUCED HANDLING TIME

Materials can be weighed immediately during lifting, minimizing repositioning and unnecessary movements.

BUILT FOR DEMANDING ENVIRONMENTS

The scales are engineered to withstand harsh recycling conditions including dust, impacts, vibration, and heavy loads.

IMPROVED OPERATIONAL FLOW

Faster weighing processes contribute to shorter cycle times and more efficient daily operations.

✉ info@intermercato.com

☎ +46 (0)414 205 25

🌐 www.intermercato.com

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