

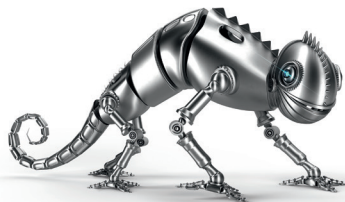
# HMS Cleaning

The solution for the removal of dirt and Non-Ferrous Metals from HMS - Ready for feeding into the EAF



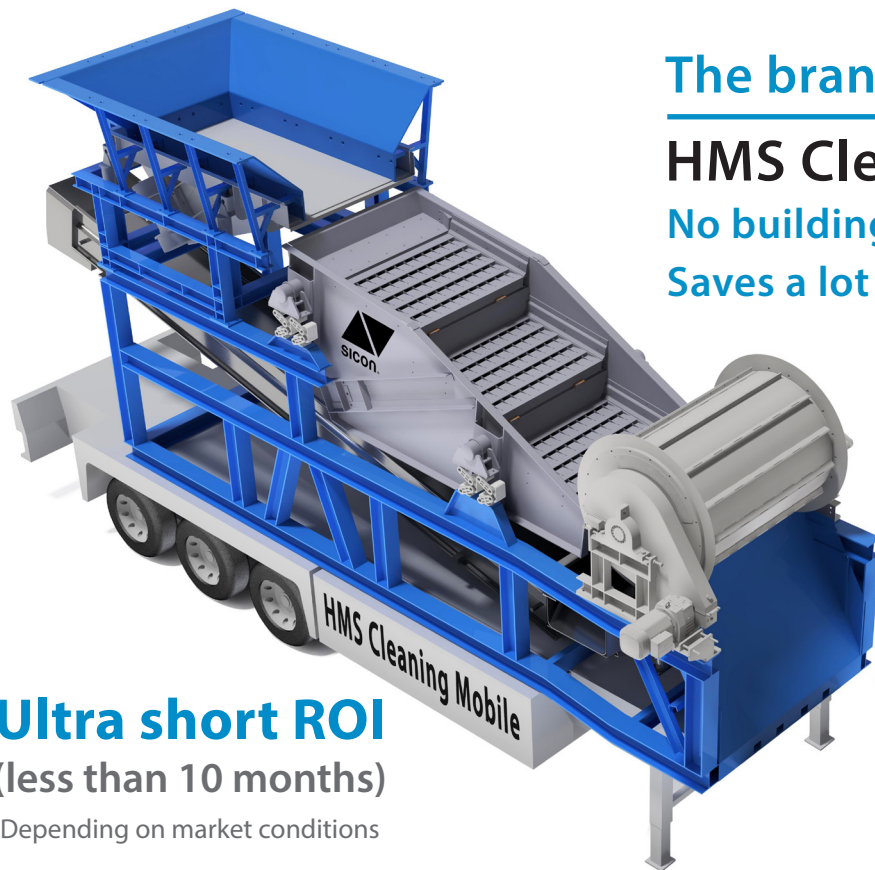
- Significant reduction of slag (5-8 %)
- Increase of the liquid yield to 92-95 %
- Reduction of consumables
- Reduction of power consumption
- Reduction of emissions
- Recovery fraction from screened fines ready for feeding into the EAF
- SICON MagSpin - Permanent magnet with spinning effect
- 3D-screening - 3D heavy duty screen elements
- Fully Automated System - Permanent Mass Balances, Smart Alarm System

BENEFITS



[www.sicon-america.com](http://www.sicon-america.com)





**The brandnew solution:**

**HMS Cleaning Mobile**

**No building permit required!**

**Saves a lot of time and money!**



**Ultra short ROI**

**(less than 10 months)**

Depending on market conditions

Improving the quality of steel scrap is for SICON the driving force behind the Heavy Metal Scrap (HMS) preparation process. HMS is cleaned intensively and NF metals that are still present are separated. The result is a scrap quality with a considerably higher Fe content and reduced NF content (specifically copper and aluminum).

A highly efficient and reliable scrap screening process with an integrated metal recovery step that was specifically developed for this application enables a significant improvement in quality, while delivering additional scope of metal recovery at the same time. The innovative combination of efficient screening and magnetic separation produces optimum results. SICON adapts the HMS Cleaning to specific customer requirements. Throughput rates of up to 300 tph are achievable.

Features	HMS Cleaning Mobile	HMS Cleaning Basic	HMS Cleaning Advanced
Throughput	30 - 80 tph	70 - 150 tph	70 - 300 tph
Installation	Semi-mobile	Stationary	Stationary
Separation feeding zone	✓	-	✓
Acceleration of the scrap	✓	-	✓
3D-screening	✓	-	✓
Magnetic separation	✓	✓	✓
Optional with dust suppression	✓	✓	✓
Discharge of residues with panfeeder	✓	✓	✓
Separation of fines residues	✓	-	✓
Remote control by cameras	✓	✓	✓
Prozess data collection	✓	✓	✓
Solutions for NF metal recovery	✓	✓	✓

**Contact us for more information about our products**

You can contact us by phone at +1 (678) 527 14-32 or by email [info@sicon-america.com](mailto:info@sicon-america.com)

#### **SICON Germany**

Vordere Insbach 24-26  
57271 Hilchenbach, Germany  
Phone: +49 (2733) 811 76-0  
[info@sicon.eu](mailto:info@sicon.eu)  
[sicon.eu](http://sicon.eu)

#### **SICON America**

11390 Old Roswell Road, Suite 126  
Alpharetta, GA 30009, USA  
Phone: +1 (678) 527 14-32  
Toll free: (866) 356 7586 (US only)  
[info@sicon-america.com](mailto:info@sicon-america.com)  
[sicon-america.com](http://sicon-america.com)

