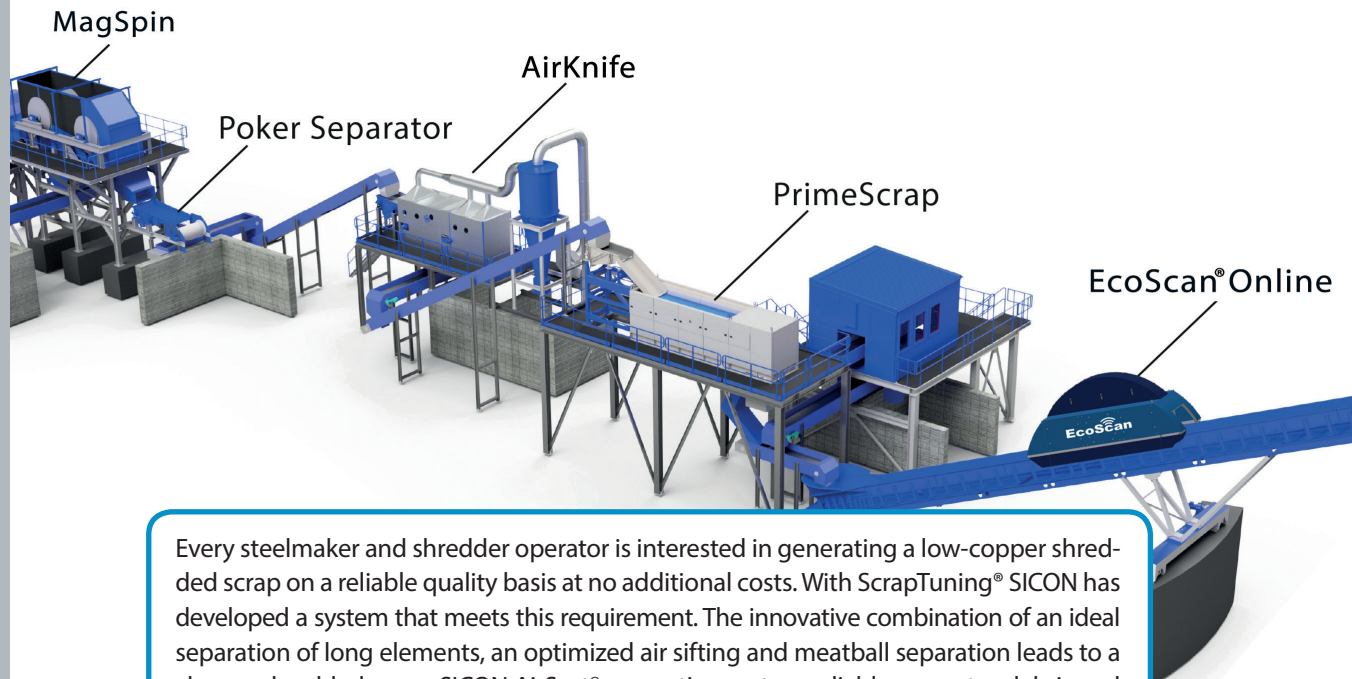


ScrapTuning®

Ferrous Downstream Upgrade - The solution for better quality of Shredded Scrap



Every steelmaker and shredder operator is interested in generating a low-copper shredded scrap on a reliable quality basis at no additional costs. With ScrapTuning® SICON has developed a system that meets this requirement. The innovative combination of an ideal separation of long elements, an optimized air sifting and meatball separation leads to a cleaner shredded scrap. SICON AirSort® separation system reliably separates debris and exposed copper strands/cables. Copper-rich fractions are separated from low-copper shredded scrap with the aid of a ballistic-magnetic meatball separator. Therefore, only 25 % of the otherwise usual quantity of material are supplied to a manual sorting process. The optional integration of a SICON Sorter completely eliminates the need for manual sorting.

- Reduction of personnel costs for handpicking by up to 75 %
- Reduction of the residual copper content in shredder scrap by up to 50 %
- Increase of the non-ferrous metal recovery rate
- Modular design for stepwise optimization of existing plants
- Ready for integration of advanced automated sorting technologies
- Throughput 20 - 300 mt/h

BENEFITS



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SICON ScrapTuning® can be integrated in existing systems. An offline installation is also possible and is very interesting for steel mills when it comes to improving the quality of shredded scrap. The SICON team provides individual advice and adapts the system to the specific local conditions and customer demands.

SICON considers both disadvantages unacceptable in times of intense competition and cost pressure. SICON offers shredder operators an efficient alternative in every aspect: the permanent magnet SICON MagSpin. The permanent magnets for the Ferrous Downstream are available in widths of up to 2,600 mm (110") and a diameter of up to 1,600 mm (71"), suitable for every shredder size.

SICON ScrapTuning® not only has a positive effect on the quality of the shredded scrap, but increases at the same time the recovery of non-ferrous metals. The fact that significantly less copper is lost in the shredded scrap means that there are more non-ferrous metals available for the non-ferrous downstream. The additional amount of non-ferrous metals recovered pays for the ScrapTuning® process within a short period of time, in many cases within just a few months. Contact our specialists to obtain further information. They would be happy to prepare a business case for you!

The separated copper meatballs can be prepared using the SICON Meatball Process (EcoShred® Vertec) and separated into clean NF- and ferrous metals.



Contact us for more information about our products

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