

Trusted Testimonial Clayton County Recycling (CCR), Monona, Iowa



»SICON has proven to be a reliable partner for our company. The cooperation goes far beyond the supply of excellent machine technology. SICON is always there to help us with advice and support.«

Fred Runde, President of CCR

The customer is operating a 2500 HP shredder 80 X 104 with a production rate (ferrous output) of 60-70 tph. The first non-ferrous downstream was installed in 2008. In 2017 a fire destroyed the eddy currents and the customer was looking for new machines with a better recovery. The decision for the SICON EddyPro was mainly based on performance and expected machine quality.

Two EddyPro Separators INPXS (High Intensity Version) and INPX were bought to replace the burned machines. The INPXS is used for the material up to 1" with one splitter and separates Zorba. The INPX separates material from 1" up to 4" and is equipped with 2 splitters to produce a clean aluminum "long throw" fraction over the second splitter, and a normal zorba product from the first split.

The installation of the eddy current INPXS for the material under 1" had a very positive effect: The copper content in the Zorba was

significantly higher than with the previous eddy current and exceeded 15%. That initiated Mr. Runde to install an optical sorter from SICON (Varisort Compact) to separate red from grey metals as well. Since optical sorters have a detection limitation, it became necessary to install an additional Variomat screening machine to remove Zorba under 1/5" (5 mm) from the under 1" zorba to make the optical sorter working more efficient. Due to very skilled staff, all installations were made by personnel of CCR. SICON-technicians supported CCR during start-up.

Typical for family owned scrap processors is the gradually plant expansion. Each step is based on gathered experiences and has to exactly meet the company's needs to give the maximum benefit. The strength of SICON is to listen to the customer's needs and to offer different features to customize a machine to those specific needs.

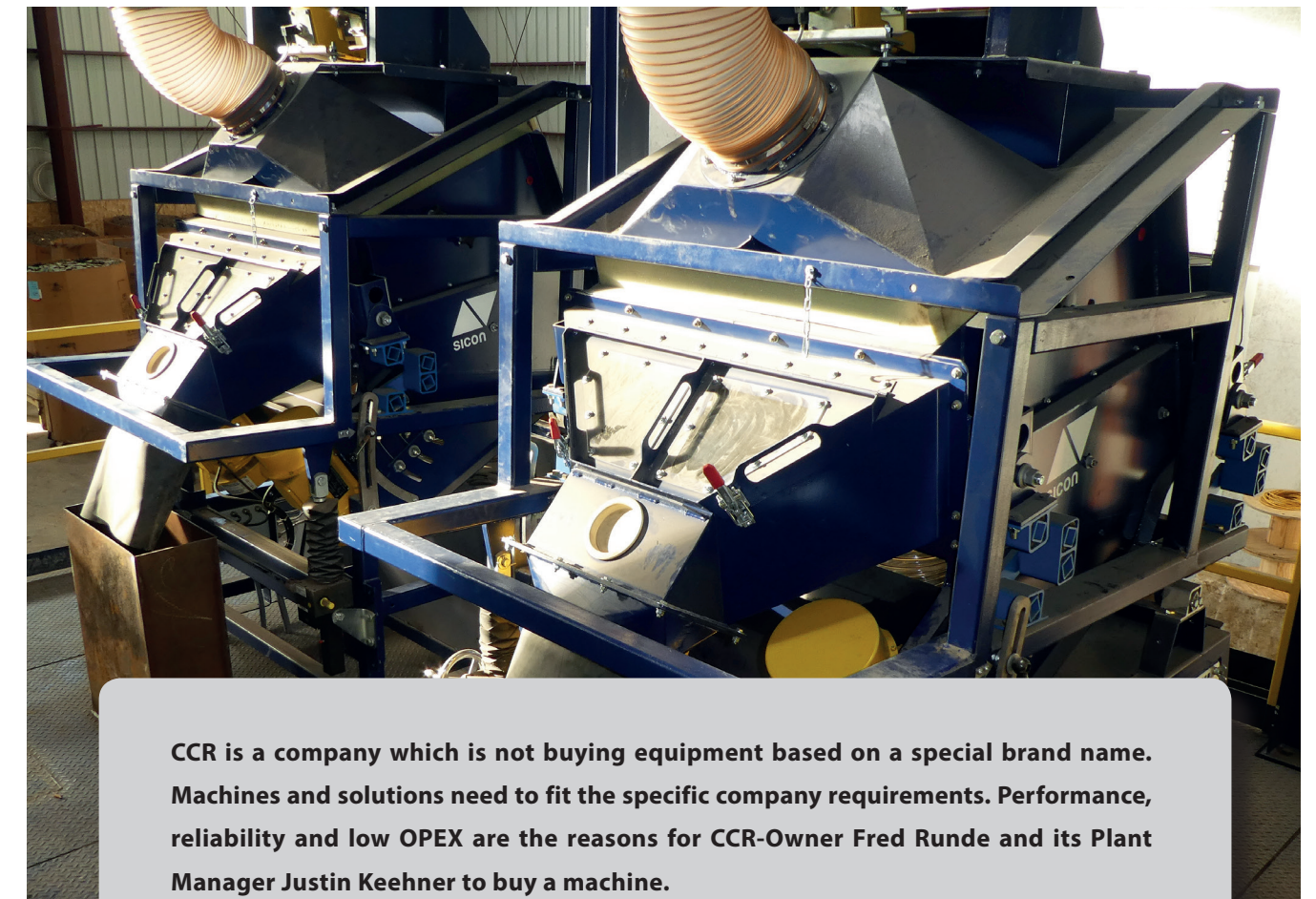
In another step of expansion CCR installed in spring 2019 another Trisomat ST1250x5400 FD screening machine to separate Ultra Fines from the ASR. The FinesTuning® 1000 is a compact designed system with magnet drum for ferrous material and a neodymium magnet drum for the light magnetic dirt prior to the eddy current separator. This eddy current separator separates Zorba up to 1" (25mm) after the magnetic dirt has been removed.

In a customer tailored Zurik processing line supplied by SICON, CCR is operating different machines like:

- **EcoShred® Imtec** (Balling Mill for outstanding separation results)
- **EcoShred® 1SS K1500** (Single-Shaft Shredder)
- **EcoShred® 2SS X1300** (Twin-Shaft Shredder)
- **WetFloat®** (Density based metal separation)
- **AirFloat** (Sorter for dry separation)
- **AirKnife** (Air Sorting for cleaning of Shred and Zurik)
- **AirSort®** (Highly accurate Z-box air classifier)

Stainless steel separators together with sorters are the essential parts in the Zurik refining line to ensure that CCR delivers the highest quality to its customers. High performance, low operating costs and very high reliability are required by CCR and supplied by the SICON equipment.

On this subject Fred Runde says: *"That's been my experience with SICON equipment: with good housekeeping practices done each shift, they have been trouble free. When we need support, SICON is always there for us. SICON adapts equipment and solutions to our specific needs. We have installed several sensor sorters from SICON America in recent years. The VariSort sensor sorters have proven that they deliver perfect results at very low operating costs. We are absolutely satisfied with the machines and CCR regards Heiner Guschall, President of SICON, as a very trustworthy and knowledgeable partner."*



CCR is a company which is not buying equipment based on a special brand name. Machines and solutions need to fit the specific company requirements. Performance, reliability and low OPEX are the reasons for CCR-Owner Fred Runde and its Plant Manager Justin Keehner to buy a machine.