KWS Saves Aluminum Recycling Company Time and Money

Challenge
A global recycling company converts aluminum scrap into usable metal. Aluminum is recycled because it is too valuable to waste. Recycling aluminum is significantly more efficient than producing aluminum from virgin material. Melting aluminum waste uses only around 5% of the energy that would otherwise be used for primary production. Screw conveyors are used to convey the highly abrasive waste materials. Downtime is costly and screw conveyor flights required constant replacement.

Solution
KWS visited the plant to better understand the application. After careful review of operations, KWS offered abrasion resistant and hardsurfaced screw conveyor flighting as an upgrade. The first replacements were designed as a test with many more in the future. Working closely with the Motion Industries Account Representative, KWS was able to offer other cost savings solutions for multiple areas of the plant.

"KWS did a great job in helping my customer. Conveying aluminum scrap is not easy, but KWS came up with the right solutions. Thanks for your partnership!"
— Maintenance Manager