



# American Recycler

NewsVoice of Salvage, Waste and Recycling

AmericanRecycler.com

## FOCUS: Metals

# Glass recycling makes a comeback

by MAURA KELLER

[mkeller@americanrecycler.com](mailto:mkeller@americanrecycler.com)

## Ferrous metal market remains strong



### WHAT'S INSIDE

- Business Briefs..... 14
- Classified Advertisements..... 15
- Scrap Metals MarketWatch..... B2
- Equipment Spotlight..... B4

- SWANA concerned about impact of Omicron on waste collection activities. Page A6
- Northvolt and Volvo Cars choose Gothenburg for new battery factory. Page A13
- World crude steel production increased 3.7 percent in 2021. Page B3

The evolution of glass recycling has been a mixed bag of changing regulations by municipalities, outcries of consumers for glass recycling programs, and confusing messaging about the viability of glass recycling based on weight, contamination and transport costs.

According to the Glass Recycling Coalition, in 2015 and 2016, the story of glass recycling was often myopic and included myths about broken glass not being recyclable and no markets for glass, even in areas that were ripe with end markets.

“Though glass is not shipped overseas, it became the scapegoat for downed recycling markets in the face of China’s National Sword,” said the leadership at the Glass Recycling Coalition (GRC). “Municipal decision-makers were not equipped with the data to combat these myths and make informed choices about keeping their glass in programs. Often program managers were lured by discounted processing fees to



Glass recycling rates are not very high in the U.S. when compared to the rates achieved in Switzerland, Germany and other European countries.

dentists and consumers expect to be able to recycle glass.

“When municipalities removed glass from their programs a resounding wail of public disapproval followed since glass is considered a core recyclable,” the GRC said. “The increase in sustainability goals for local govern-

ments and consumers expect to be able to recycle glass. In fact, 2022 has been coined the International Year of Glass, according to the United Nations.

Archie Filshill, chief executive officer at AeroAggregates, a manufacturer of ultra-lightweight aggregates from 100 percent post-consumer recycled glass, said there is a push from several states across the country to increase the amount of recycled content in containers, both plastic and glass.

“Traditionally, recycled glass must be color separated and cleaned for containers and fiberglass,” Filshill said. Aero Aggregates recycles all kinds of glass and turns it into foamed glass aggregates that are used in the construction of roads, commercial developments, sewers, green roofs, concrete blocks, and building foundations. This year, the firm will recycle the equivalent of 500 million bottles.

“Efforts to recycle glass over the last few years have increased and there have been several developments for use of recycled glass in construction and industrial applications,” Filshill said. “One of the biggest challenges has been the cleanliness of recycled glass. Single stream glass, which is curbside collected material, has a lot of paper, plastics and other residuals that make it difficult

for end-users to process. This problem is compounded by the fact that the glass can be green, brown or clear and most end-users require recycled glass to be color sorted.”

### Innovative Initiatives

Cameron Skinner, sustainability assistant in Georgia College’s Office of Sustainability said the push behind the glass recycling program at Georgia College (GC) came from a former SGA president who wanted to develop a solution to keep glass from going to the landfill.

Like other local municipalities in the U.S., Milledgeville-Baldwin County, where Georgia College is located, rescinded their glass recycling program due to commodity price changes and the lack of glass recycling infrastructure in the nearby area. So, what did GC do?

“We purchased innovative glass recycling technology that allows us to crush glass and turn it into a sand-like byproduct,” Skinner said. “GC is one of only a few colleges and universities in the U.S. that currently own and operate this type of waste reduction technology on campus.”

As Skinner explained, the implementation of the **See COMEBACK, Page A4**



Glass pulverizers, like this one manufactured by Andela Products, are often used in the recycling process.

keep glass out of their programs, unaware of the social and environmental impact that would cause.”

Since that time, consumer demand to have access to recycle their glass has contributed to creating glass recycling opportunities. In fact, according to a 2020 industry survey conducted by the GRC in 2020, 90 percent of resi-

ments and major companies also aided in a more proactive look at glass recycling to reduce waste and create circular solutions. For many, breaking down these myths and really understanding the glass recycling opportunities has been the principal barrier.”

For 2022, things are certainly looking up for glass

CHANGE SERVICE REQUESTED

03.2022

PRSR STD  
U.S. Postage  
PAID  
Columbia, MO  
Permit No. 353

**American Recycler**  
1789 Indian Wood Circle, Ste 250  
Maumee, OH 43537



Celebrating  
Our



*Thank You!*

*American Recycler News* was founded with the goal of keeping our readers up to date with the most current and timely news and information on the recycling, waste and salvage industries.

To this day, we remain firmly committed to this goal and will do everything within our power to make this happen.

Thank you for allowing us to provide current news and information to you for the past 25 years!



877-777-0043

[www.AmericanRecycler.com](http://www.AmericanRecycler.com)

*We would like to thank all of our advertisers,  
readers and supporters that make  
American Recycler News  
possible.*

**We appreciate your continued support and look  
forward to an exciting future!**



## AF&PA supports the Recycling and Composting Accountability Act

The American Forest & Paper Association (AF&PA) president and chief executive officer Heidi Brock issued the following statement in support of the Recycling and Composting Accountability Act (RCAA), introduced by U.S. Senators Tom Carper (D-DE), John Boozman (R-AR) and Shelley Moore Capito (R-WV), and the Recycling Infrastructure and Accessibility Act (RIAA), introduced by Senator Capito:

“The paper and wood products industry is a leader in sustainability and recycling. Nearly two-thirds of paper used in the U.S. was recycled in 2020, including nearly 89 percent of all cardboard boxes and corrugated containers. In addition, our industry has planned or announced approximately \$5 billion in manufacturing infrastructure investments from 2019 through 2023 to continue the best use of recycled fiber in our products.

“The RCAA will advance recycling and composting in the U.S. by helping the Environmental Protection Agency improve their measurement, data and reporting tools. The RIAA will improve recycling accessibility in communities, including historically underserved communities. AF&PA applauds the leadership of Senators Carper, Boozman and Capito, and encourages Congress to pass these bills into law.”

# Rumpke to build the fifth largest recycling facility in North America

Rumpke Waste & Recycling announced plans for a \$50 million investment, the Rumpke Recycling & Resource Center, to be built in Columbus, Ohio. The material recovery facility is expected to be operational by early 2024.

“As a leader in the environmental industry, it is our mission, our responsibility to implement strategic plans that continually advance and expand our facilities,” said Andrew Rumpke, east area president for Rumpke Waste & Recycling. “That’s how we meet ever-increasing recycling and environmental demands.”

Rumpke currently operates a material recovery facility in Columbus with processing capabilities of 30 tons of

material per hour. The new facility will be the most technologically advanced, state-of-the-art recycling center in the U.S., with processing capabilities of 50 tons of material per hour. The facility will be designed by local architects Moody-Nolan and will contain the newest technology to keep all materials inside one building.

The 200,000 sq.ft. facility will feature green, sustainable design elements such as solar panels and a living green roof. Additionally, the facility will have a sampling station, offering a quick (within a couple of hours) glimpse of material composition, thereby identifying recycling opportunities and challenges for communities and businesses.

“We purchased the 25 acre land for this resource center 10 years ago. The strategic vision for this facility has been in place for some time. The goal is to advance recycling capabilities in the region, while enhancing education endeavors and neighborhood relations,” added Rumpke.

Rumpke will support the local community through opportunities that directly benefit the residents, such as the Rumpke Family scholarships for students of families in the area. Rumpke is also partnering with COSi (the Center of Science & Industry) to ensure STEM learning opportunities for all ages, education outreach, facility tours and potentially a recycling learning exhibit within the facility.

## EPA settles with Texas recycling company

The U.S. Environmental Protection Agency (EPA) and the Department of Justice announced a settlement with Derichebourg Recycling USA Inc. (Derichebourg) of Houston, Texas, to resolve Clean Air Act violations at 10 scrap metal recycling facilities in Texas and Oklahoma.

The federal complaint filed simultaneously with the consent decree alleges that Derichebourg failed to recover refrigerant from appliances and motor vehicle air conditioners before disposal or verify with the supplier that the refrigerant had been properly recovered prior to delivery. Under the

settlement, Derichebourg will prevent the release of ozone-depleting refrigerants and non-exempt substitutes from refrigerant-containing items during their processing and disposal processes. Derichebourg will also pay a civil penalty of \$442,500.

The settlement also requires Derichebourg to implement a Refrigerant Recovery Management Program at its 10 U.S. facilities; provide notice to its suppliers that all refrigerant, if not being recovered by Derichebourg, must be recovered properly from appliances and motor vehicle air conditioners; reject any appliance or vehicle where

there is evidence of unlawful refrigerant venting; and provide an educational handout to its customers on compliant handling of refrigerant containing items. Derichebourg must also complete an environmental mitigation project that involves ensuring the destruction of all R-12 refrigerant that Derichebourg collects at its ten facilities for the duration of the consent decree. R-12 is one of the most destructive ozone depleting substances and has a global warming potential greater than 10,000 times the power of carbon dioxide.



### GLASS PULVERIZER SYSTEMS

**GLASS into SAND**



**Glass Clean Up and Recycling Technology**




**Process all types of glass**  
Bottles to mixed waste glass

**Produce glass aggregate**  
With rounded edges or glass cullet systems –  
**1-20 tons per hour**

**Local processing**  
for local markets

**315-858-0055**  
AndelaProducts.com  
info@andelaproducts.com



### ARE YOU LOOKING FOR A WAY TO INCREASE YOUR PROFITS FROM YOUR IRONY ALUMINUM SCRAP?

**With our furnace processes, you can create three products:**

- Aluminum ingot to go straight to the mills
- Clean HMS 1 or HMS 2 steel to go direct to the steel mills
- Furnace hearth dross to the rotary furnaces for further processing

**We offer sweat furnaces in many sizes to suit your needs.**

No matter what size you purchase, the payoff average is 6 months with operation costs as low as 4 cents per pound of aluminum processed.




**GIVE US A CALL SO WE CAN HELP YOU INCREASE YOUR BOTTOM LINE.**



**Recycling Services International, LLC**

**518-424-1168**

 [facebook.com/RecyclingFurnaces](https://facebook.com/RecyclingFurnaces)



# Comeback

Continued from Page 1

glass recycling program has helped to increase the diversity of GC's waste reduction portfolio. GC has had a single-stream recycling program on campus since 2013, which includes paper, cardboard, paperboard, plastics #1 and #2, aluminum, tin and steel cans.

"Now that we can recycle glass, a very heavy material that is often sent to the landfill, we are one step closer to achieving a record-breaking institutional diversion rate," Skinner said.

Staff members from the Office of Sustainability oversee the collection, crushing, and distribution of the recycled crushed glass (RCG). Special glass recycling containers are available for drop-offs and a map of their locations can be found on the university website. Once the glass is collected, it is transported to the campus glass recycling facility where it is crushed and screened into five different grades. The byproduct is then stored and distributed for use.

"Since the implementation of the program in January 2021, we have been able to successfully divert over 5,300 lbs. of glass containers and are looking to grow the program soon," Skinner said.

Thus far, the college has used the RCG as a soil amendment in a large-scale landscaping project involved with the construction of a new Integrated Science Complex. This project involved spreading several cubic yards of RCG throughout the front lawn of the new science building to increase the drainage properties of the native soil.

"We also have plans to partner with GC's Department of Biological & Environmental Sciences to conduct lab analyses of the physical and chemical properties of the RCG, which will help guide future uses of the product," Skinner said. "As the program continues to gain popularity among campus community members, the GC Office of Sustainability may be exploring options to purchase glass recycling equipment with a higher capacity, potentially enabling us to expand services to the surrounding community."

### Evolving Efforts

Today municipalities are reengaging with the public in an effort to increase the amount of glass recycling.

As the GRC explained, many municipalities have turned to contract negotiations as a solution.

For example, in the City of Houston, the city renegotiated its recycling processing contract for a 20 year contract with FCC Environmental Services in 2018. Since 2017, the City of Decatur, Georgia has had a successful separated curbside glass collection program. And places in Northern Virginia have been collecting glass in drop-off containers in their popular Purple Can club. Some places also have ongoing mobile glass recycling collection events.

All of these efforts have been coupled with education for consumers through bin stickers, local and national industry media, and social media and website updates.

Filshill added that most municipalities are trying to support recycling in general, which includes glass, plastic and paper. "There has been consider-

able education in local communities to help explain what can and cannot be recycled and to provide homeowners with labeled recycling bins," Filshill said. "The recycling stream will improve as the educational process continues, making it easier to get cleaner material."

Aero Aggregates decided early to vertically integrate and then installed equipment at each facility to clean glass received from local recycling centers. Aero processes mixed-color glass regardless of particle size, which also facilitates accepting glass from recycling centers. Starting in 2022, Aero is diverting the weight equivalent of over 500 million bottles from landfill each year.

From an industry perspective, the MRF glass recycling certification also has helped to highlight MRFs that see the value in cleaning and recovering glass in a single stream system. Launched in the Fall of 2019, the GRC MRF Glass Certification program has since been awarded 13 certifications: 1 bronze, 2 silver and 10 gold. In 2021, glass certification criteria was updated to prioritize end market consistency and more thorough glass cleaning before beneficiations.

The Glass Recycling Coalition offers education, partnerships and best practice solutions. "Over the past five years, the Glass Recycling Coalition's efforts have provided a truth check to glass recycling myths and have been instrumental in changing the tone of glass recycling for municipalities and the industry," the GRC leadership said. "GRC and its partners helped to feature best practice case studies and tools for municipalities, haulers and end markets to show that glass recycling can be effective in communities."

According to Filshill, there are a lot of residential communities across the country pushing for higher recycling rates, but they are somewhat limited by the demand for recycled materials. "The traditional markets for recycled glass include containers, fiberglass and abrasives, and these markets have continued to increase the amount of recycled content," Filshill said.



877-777-0043 | Fax 419-931-0740

### Owner, Publisher and Editor

**ESTHER G. FOURNIER**  
news@AmericanRecycler.com

### Print and Digital Production

**MARY E. DARLOW**  
mary@AmericanRecycler.com

### Marketing Representatives

**MARY M. THORNTON**  
maryt@AmericanRecycler.com

**MARY E. DARLOW**  
mary@AmericanRecycler.com

### Circulation Manager

**DONNA L. MCMANUS**  
donna@AmericanRecycler.com

### Writers and Contributors

**MAURA KELLER**  
mkeller@AmericanRecycler.com

**RON STURGEON**  
rons@rdsinvestments.com

**MARY M. THORNTON**  
maryt@AmericanRecycler.com

### Production Offices

1789 Indian Wood Circle, Ste 250  
Maumee, OH 43537  
877-777-0043 fax 419-931-0740  
www.AmericanRecycler.com

American Recycler is published 12 times per year, postage paid at Columbia, Missouri.

**SUBSCRIPTIONS:** Call our offices at 877-777-0043 or visit [www.AmericanRecycler.com](http://www.AmericanRecycler.com). US 1 year \$48; 2 years \$72.



©COPYRIGHT 2022 by American Recycler News, Inc. All rights are strictly reserved and reproduction in whole or in part is prohibited without prior written permission from the publisher.

Submission of articles, artwork and all photography must be accompanied by a self-addressed stamped envelope if a return of materials is wanted. Byline contributors' views should not be construed as representing the opinion of the publisher.

American Recycler reserves the right to edit any and all material submitted for publication. All Letters to the Editor must be signed and include a telephone number for verification. The editor of this publication does not accept responsibility for statements made by advertisers herein.

**Correction:** With the article titled, "Catalytic converter thefts skyrocket" in the February 2022 edition, a photo of mufflers (which are part of the exhaust system, along with catalytic converters) was inadvertently used instead of catalytic converters due to an image labeling error.

## Remove Auto Glass in Minutes

WINDSHIELDS      BACK GLASS

### Inductor® Glass Blaster® (GB-20311)




The Inductor Glass Blaster removes auto glass *from outside the vehicle in minutes* with no need to remove the interior trim. Release urethane in hard-to-reach places where other tools can't go.

Quickly remove auto glass, windshields, body side moldings, and spray-on bedliners without the collateral damage of an open flame.

**INCLUDES:**


> Max Power Supply	> Carrying Case	> Instruction Manual
> Glass Blaster (U-311)	> 2 L-Wedges	> One-Year Warranty

Manufactured in the USA with genuine OEM parts. Contact your local tool distributor today.



INDUCTION INNOVATIONS  
www.theinductor.com  
877-688-9633

Follow Us on Social Media:







» (3) 2015 CAT MH3059's »

Material handlers, 10,500 Hours, Well maintained units. Lots of idle hours. Ground access high rise cab, 325 Horsepower, 130,000 lb operating weight, 35' Boom, 29' Stick, Setup for grapple or magnet. Quality used machines with documented history. Pressure tested and ready to go. Less than half the price of new. **\$348,000 each.**

BELLEVUE, IOWA | 563.872.4112  
SALES@JJSHECKEL.COM | JJSHECKEL.COM



## PREVENTIVE MAINTENANCE KITS SAVE TIME FOR TECHS

SENNEBOGEN PM Kits start with a checklist of service tasks for each service interval on your machine, and finish with a ready-to-go package of every part you'll need to complete your service call.

Eliminate costly picking time – just pull today's PM Kit from the shelf! Each purpose-built kit is assembled for a specific hour interval for your machine model and engine.

- Pre-packaged for factory-recommended PM tasks
- 250-hour, 500-hour, 1,000-hour, and 2,000-hour intervals
- One part number for easy ordering and picking

Save costs with special kit pricing, too. SENNEBOGEN makes it easier than ever to give your equipment the PM care it needs for increased service life, residual value and uptime.



SENNEBOGEN®

# BEYOND THE MACHINE

*I'm amazed that they could get [the part] to us that fast!*

*It was 5:00 in the afternoon. The pin for the rotator on the sawhead sheared right off! I called my dealer and they reached out to SENNEBOGEN, and they had the part to us by 8:30 the next morning! That was a 500 lb part! I'm amazed that they could get it to us that fast. It's been a good experience.*

Derek Oneppo, Warwick Tree Service, Coventry, RI



SENNEBOGEN's 100,000 sq.ft. warehouse in Stanley, NC maintains a 98% order-fill rate within 24 hours for any part for any machine currently in service in North America.



SENNEBOGEN Parts • Stanley, North Carolina

SENNEBOGEN is committed to leading the industry in aftersale support throughout the life of its equipment. We're thinking "beyond the machine" to deliver dependable uptime and lower Total Cost of Ownership (TCO) for every customer.

Parts • Service • Training • Application Specialists • Flexible Financing • Attachments



Learn more about our commitment to our customers

[sennebogen-na.com/beyond-the-machine](http://sennebogen-na.com/beyond-the-machine)

VISIT US AT  
**ISRI2022**  
MARCH 21-24, LAS VEGAS

+1-704-347-4910  
[sennebogen-na.com](http://sennebogen-na.com)

## PROVEN UPTIME WITH UPTIME KITS

SENNEBOGEN, in keeping with their philosophy to maximize uptime, has created Uptime Kits. Whether you are a service technician in-house or on the road, these kits have everything you need for every service, maintenance and PM task in one place. They were created to save you time and money. Managing hundreds of related service parts, from belts and nuts to O-Rings and special tools, becomes easy with a single part number to order and stock.

### They are:

- Easy to order and easy to stock
- Packed with job-specific components and tools
- Ideal for stocking service shops and trucks

### Choose from the following kits:

- Auto Lubrication Kits
- O-Ring Kits
- Electrical Kits
- SAE Flange Kits
- Fitting Kits
- Plug & Connector Kits
- A/C Service Kits



And the best thing is that these kits are custom-built to match your machine model and series. Count on SENNEBOGEN to meet your needs in the field or in-house. For more information on Uptime Kits, scan the QR code or talk to your dealer.



## Grants offered to Michigan small communities for education programs

Small communities in Michigan have a new resource to help them educate households about how and what to recycle. The Michigan Small Community Education Grant Program, an effort funded by the Michigan Department of Environment, Great Lakes and Energy (EGLE) along with The Recycling Partnership, the nonprofit action agent transforming the U.S. residential recycling system for good, is open now through October 2022.

Eligible communities and organizations include nonprofit organizations, tribal governments, regional planning agencies, cities, villages, townships, charter townships, counties, municipal solid waste authorities and resource recovery authorities located in Michigan working with less than 10,000 households.

“EGLE is excited to offer this grant opportunity specifically to small communities in Michigan to further recycling education and continue our work to improve recycling throughout our state,” said Liz M. Browne, director of EGLE’s Materials Management Division. “We all have a role to

play in the circular economy and these grants will help the smaller communities engage with their residents and improve the quality of recyclable materials collected in curbside and drop off programs across Michigan.”

Whether the local recycling program is curbside and/or drop-off, the Michigan-only online platform gives access to The Recycling Partnership’s customized templates including postcards, information sheets, cart tags, and dumpster signage, which can be localized, printed, and sent directly to residents, all in one place. Communities can customize materials with their logo, website, and phone number, and all pieces are designed bilingual in English and Spanish.

The grant opportunity was created to alleviate the financial challenges smaller Michigan communities face in providing recycling education and outreach materials to inform residents about how, where, and why to recycle. Funding is limited and grants will be awarded on a first-come, first-serve basis. Due to the program’s popularity, potential grantees are encouraged to apply early.

## SWANA concerned about impact of Omicron on waste collection activities

The Solid Waste Association of North America (SWANA) is concerned that increased delays in solid waste collection are likely to occur and encourages municipal solid waste officials and haulers to plan for staffing shortages. The sharp increase in new COVID-19 cases, fueled by the highly contagious Omicron variant, combined with the seasonal uptick in residential waste and recyclables associated with the holidays, could stress some solid waste collection systems.

“A substantial percentage of front line collection workers are not vaccinated, and some may get sick from COVID in the coming weeks,” stated David Biderman, SWANA executive director and chief executive officer. “This could make it difficult for some haulers or local sanitation departments to fulfill all of their collection obligations, at the

same time that residential waste and recycling volumes increase around the holidays. We urge all solid waste officials and haulers to plan for how they intend to address a shortage in collection workers.”

Many communities throughout the U.S. experienced collection delays in spring and summer 2021, as haulers and local governments experienced difficulty attracting and retaining qualified collection workers. SWANA issued a report in May 2021 addressing the labor shortage.

Solid waste officials and haulers have been dealing with worker shortages, increased residential waste, and evolving COVID risks since the start of the pandemic. The increased transmissibility of the variant will likely result in delays in some communities, and SWANA urges elected officials and the general public to be patient.

**INNOVATE WITH US**

**American Recycler Readers Save!**  
 Register with code **VP5** and save 25% on the conference program and get FREE Exhibit Hall admission.  
 WasteExpo.com

Delivering the latest innovations to the solid waste industry is what we at WasteExpo thrive on. From vehicles, to robotics to recycling equipment and technology, we have been delivering the latest and greatest for decades.

Join us and see where the industry is going. Learn from some of the smartest people in the business. Meet with the next generation of movers and shakers. And do business with companies that are leading the charge in innovative solutions for the waste industry.

**Register Today. [wasteexpo.com](http://wasteexpo.com)**

**Conference: May 9-12, 2022 • Exhibit: May 10-12, 2022**  
**Las Vegas Convention Center, West Hall, Las Vegas, NV**



an event by  
**Waste360™**







# DANIELI CENTRO RECYCLING



**Scrap metal recycling equipment** for every scrap metal application.



**DANIELI LYNXS**  
**DANIELI HENSCHEL**  
**DANIELI RIVERSIDE PRODUCTS**

One stop for scrap recycling:  
+44 1709 724300 +49 561 801 5816  
info@uk.danieli.com  
www.danieli-centro-recycling.com



**See all equipment at [www.DADEAuctions.com](http://www.DADEAuctions.com)!**



**LABOUNTY MSD 3000 SHEAR ATTACHMENT**

Was in good working condition when pulled from service.



**GRUENDLER 48 VERTICAL SHREDDER**

1991, 100HP shredder.



**STADLER BALLISTIC SEPARATOR STT-2000-8**

Roughly 4,000 hours of use.



**2004 BIVI-TEC 5V670**

Good condition. 5/8" holes.



**1979 AL-JON 20 CAR CRUSHER**

Needs new diesel engine.



**JOMAR VIBRATORY CONVEYOR**

60" wide, 32' long.



**NEW IRONAX ENVIRORACK FLUID DRAIN SYSTEM**

The easiest way to prep your cars!



**2013 EXODUS MX447HDR**

Cat diesel engine. Solid tires.



**ENTERPRISE 36" ALLIGATOR SHEAR**

2005. 50HP. Good Condition.



**MAC MODEL 2100 BALER**

Baler came out of service running.



**ECOTECNICA / HARRIS KATANA 265 SHEAR BALER**

2011. Stationary. Only 4,000 hours!



**AZ 200 2" CHIP SHREDDING LINE**

ShredPax, CM and tons of conveyance!



**JAVELIN EDDY CURRENT SEPARATOR**

36" wide by 12' long.



**WILLIAMS 52X60 HAMMERMILL SHREDDER**

560 Series. Includes new spare rotor!



**CBI GRIZZLEY MILL 4872**

Used for wood and e-waste.

**Financing available at [DADECapital.com](http://DADECapital.com)**



**Sell YOUR equipment with us, call today: 844-333-3030**



**WALKING FLOOR CONVEYORS**

Two conveyors. Hydraulics included.



**MAREN 72-IT HORIZONTAL BALER**

40HP. Manual tie.



**2012 IROCK TC-20 MOBILE IMPACT CRUSHER**

Only 1,200 Hours. Great for crushing concrete.



**EMERY WINSLOW 70 FT TRUCK SCALE**

Steel deck. New hardware included!



**LINK BELT EXCAVATOR WITH LABOUNTY SHEAR**

Both are in good working condition.



**2007 COLMAR C302 MATERIAL HANDLER**

Solid tires. Includes grapple.



**1994 AL-JON 400 PORTABLE BALER**

Was running when taken out of production.



**RUBBER-OVER-CHAIN INFED CONVEYOR**

60" wide by 25' long.



**CIMP TIRE SHREDDING LINE**

Includes a CIMP 1600, 1200, and conveyance.



**SEVERAL PEERLESS 45' WALKING FLOOR TRAILERS**

Years from 2011 to 2021. Over ten available!



**BARCLAY PORTABLE TIRE SHREDDING LINE**

Two Barclay shredders and one classifier.



**BALEMASTER CONTINUOUS BALER**

Automatic baler with electric bale tier.



**BRONNEBERG FF400 ALLIGATOR SHEAR**

Only 50 hours! 16" blade.

**DADE**  
*Auctions*

ASSET MANAGEMENT FOR SALVAGE, RECYCLING & WASTE

**844-333-3030**

**www.DADEAuctions.com**



## PAPER

### AF&PA releases its 2020 sustainability progress report

The American Forest & Paper Association (AF&PA) released its Better Practices, Better Planet 2020 Sustainability Progress Report which highlights the paper and wood products industry's sustainability achievements. AF&PA members met or surpassed most of the sustainability goals, including a 24.1 percent reduction in greenhouse gas emissions.

"AF&PA was among the first to establish comprehensive, quantifiable sustainability goals for a manufacturing industry," said AF&PA president and chief executive officer Heidi Brock. "Our remarkable progress is the result of our members' commitment to sustainability. Through innovations in manufacturing processes and products, our industry has helped create more value for people who rely on our products every day, while being good environmental stewards."

AF&PA's Better Practices, Better Planet 2020 achievements include:

- AF&PA member companies reached a 30 percent improvement in the safety incidence rate from the 2006 baseline, surpassing the 25 percent goal. AF&PA also established a voluntary program for member companies to prevent serious injuries and fatalities.

- Members surpassed their goal to reduce GHG emissions, achieving a 24.1 percent reduction from the 2005 baseline.

- AF&PA members adhered to sustainable fiber procurement principles, which assure that wood is sourced from suppliers who are committed to sustainable management and harvesting practices. Members procured 99.2 percent of the total wood fiber through a Certified Sourcing Program – a 12.2 percent increase from the 2005 baseline.

- AF&PA members surpassed their energy efficiency goal with a 13.3 percent decrease in purchased energy from the 2005 baseline. Member pulp and paper mills self-generated 58 percent of the electricity needed to power their mills in 2020, most of which was renewable using carbon-neutral biomass manufacturing residuals.

- AF&PA members help drive greater water stewardship. Members' reduced water use at pulp and paper mills by 8.3 percent.

- Paper recycling rates have continuously grown over recent decades and remain consistently high, meeting or exceeding 63 percent since 2009. In 2020, nearly 66 percent of paper was recycled.

Better Practices, Better Planet 2020 is a decade-long initiative involving members and key stakeholders. Since 2011, AF&PA has published five biennial reports tracking members' progress. The current report reflects data from the 2020 member performance verification survey.

### White paper examines the state of paper cup recycling

The Foodservice Packaging Institute (FPI) recently published a new white paper entitled The State of Paper Cup Recycling. This comprehensive paper examines the evolving landscape of paper cup recovery efforts including recycling challenges, technical aspects of material sorting and processing and end markets utilizing recovered cups.

"Paper cups can be recycled when there are three elements present: demand from an end market buyer; proper sorting at the material recovery facility (MRF); and public education to recycle cups through residential programs," said Natha Dempsey, president of FPI. "Increasingly, these factors are coming together to create recovery pathways for paper cups. The new white paper, The State of Paper Cup Recycling, provides an in-depth analysis of where we are and where we are headed."

Authored by Moore & Associates, this comprehensive paper delves into the evolving landscape of paper cup recovery efforts including recycling challenges, technical aspects of material sorting and processing, and end markets utilizing recovered cups.

Today, 28 North American mills and 5 domestic end markets accept paper cups for recycling, which is 75 percent of mixed paper demand in the U.S. and Canada.

"Very few mills accepted paper cups prior to 2018, and many recycling programs explicitly excluded them," said Bill Moore, president of Moore & Associates. "However, through research, testing and education, more North American mills are accepting paper cups as they are a good source of high quality solid bleached sulfate (SBS) white fibers similar to other paper-based polycoated food packaging, like ice cream tubs."

The white paper also provides a deeper look at the sorting flow of paper cups in MRFs, describes the processing aspects of polycoated paper cups, addresses concerns surrounding paper cup recyclability, and contains helpful references including MRF case studies and lists of end markets and brokers who trade in recovered fiber bales containing paper cups.

Since 2011, FPI has been bringing together an alliance of restaurants, foodservice packaging industry leaders and recycling experts to better understand how the paper cup could become more widely recycled.

Recently, FPI worked with a group of paper mills and end markets who signed a declaration of acceptance and a commitment to increase end market acceptance of paper cups.



**HALLCO™**  
INDUSTRIES, INC.

**Built on a Tradition of Excellence, Dedicated to Quality**

Hallco Live Floors® builds the best floor systems for any application, anywhere, and we stand behind our work with a

**3-YEAR WARRANTY\***

and our **ACCELERATOR TECHNOLOGY**

\*Contact Your Hallco Sales Representative for details.

**Leak-Resistant / Standard Floors**

**Leak-Proof / 10-45 Tons Capacity**

**Call or Email TODAY for your floor evaluation!**  
**800-542-5526**

[hallcoindustries.com](http://hallcoindustries.com)   [info@hallcoindustries.com](mailto:info@hallcoindustries.com)



**CUT THE SCRAP!**™ with **ANDRITZ**

**CUT YOUR COST! BUY DIRECT**

**WE HAVE BLADES FOR YOUR SHEARS OR BALERS**

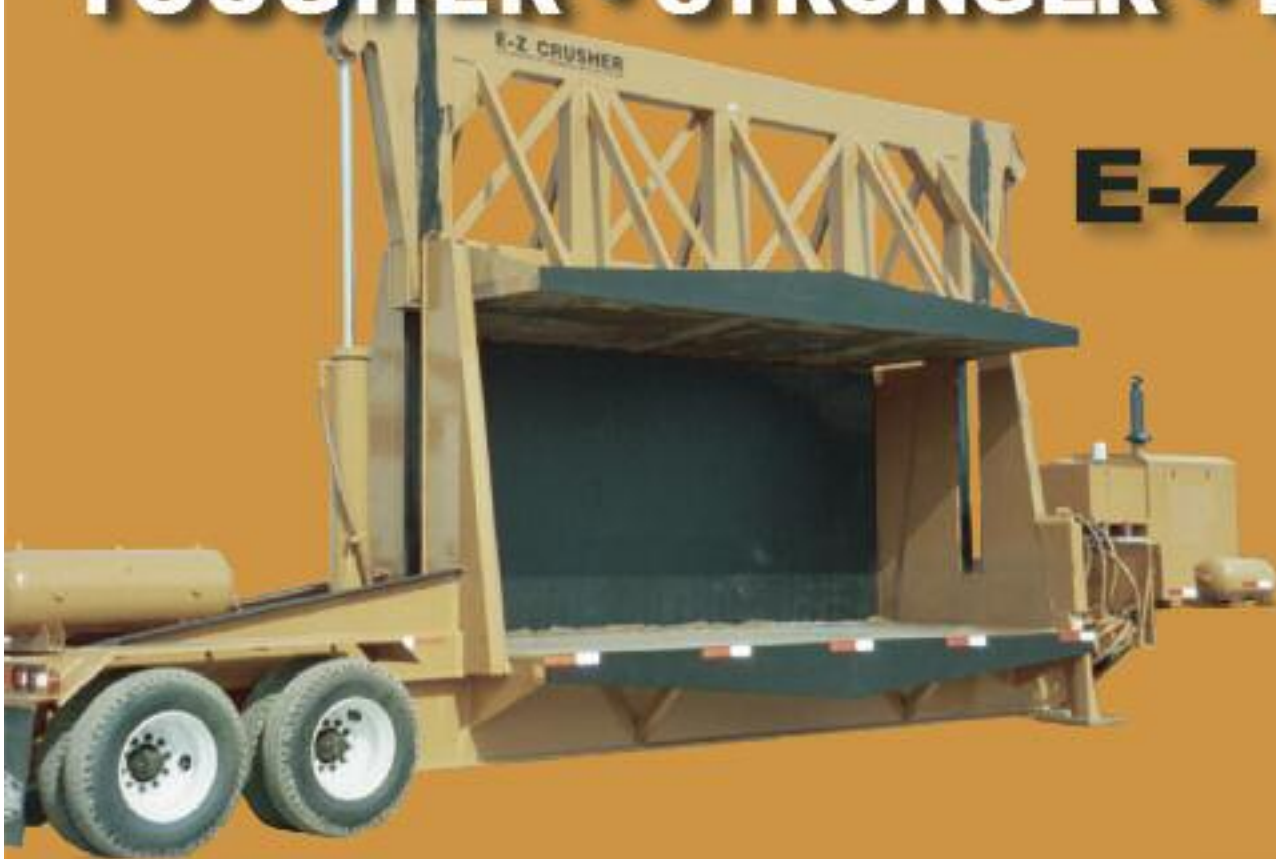
- 100% Made in USA in our South Carolina Plant
- 200 Different Knife Models Always IN STOCK
- Superior Customer Service
- Buy Complete Kit or Individual Knives
- Volume Pricing Programs
- Rapid Response™ Custom Knife Design
- Registered to ISO 9001:2015

**ANDRITZ** 877-937-2756 • [andritz.com/ASKOscrap](http://andritz.com/ASKOscrap)



# ALL THIS FOR UNDER \$200K!

## TOUGHER • STRONGER • BUILT TO LAST



### E-Z Crusher A+

#### SPECIFICATIONS

##### Opening:

Length	20'
Width	7'8"
Height	8'1"

##### Overall:

Length	40'
Weight	61,000 lbs.
Height	13'3"

##### Hydraulics:

Pressure	2,400 psi
Port Reliefs	2,600 psi
Cycle Time	48 Seconds
Cylinders	10" Bore
Travel	72"
Shaft	4" Rod

#### The E-Z A+ is for the most demanding crushing jobs.

These crushers are solidly built and dependable with a unique hydraulic system that gives you maximum power when you need it the most.

The hydraulic cylinders are uniquely mounted on the bottom deck of the unit. This means the hydraulic cylinders "pull" rather than "push" the crusher deck down. This puts less stress on the machine. At the point of greatest resistance, the cylinder is at its strongest position.

Each cylinder can be operated independently, providing more leverage and maneuverability. The pressure is adjustable - you have a safety relief valve built into each cylinder, preventing possible damage to the cylinder.

#### Simple Design - Easy To Operate

For the past 18 years, R.M. Johnson Company has fine-tuned the design of E-Z CRUSHERS. All the E-Z CRUSHERS use standard parts and components - valves, pumps, and hydraulic parts. All parts (and machine work needs) are available at the R.M. Johnson Company plant. And you buy only the part you need, not the entire assembly.

All models can be portable or stationary.

#### SUPPORT

Our technicians will give you a full demonstration of the E-Z CRUSHER, and will train your operators how to use it.

#### Included Features:

- John Deere Power Plant
- Remote Automation
- Hydraulic Outriggers
- Air Compressor
- Advanced Hydraulic Oil Filtration



800-328-3613 | 320-274-3594 | Fax: 320-274-3859

EZCrusher.com | davev@ezcrusher.com

R.M. Johnson Co. Annandale, Minnesota



# U-PULL-IT? U-PROFIT!

with



Ask us about **CRUSH LITE!**

## SIMPLIFY SEARCHES and INCREASE PROFITS

- Simple touch screen POS for speedy checkout
- Integrated Interchange to locate all possible vehicle matches in your yard
- Save thousands in NMVTIS Submissions
- Pre-bid vehicles with curb weight options
- Track scrap & commodity sales
- Daily management reports
- Vehicle purchasing, scanning, yard tracking & search features

**SEE DEMOS  
at our  
WEBSITE!**

We offer **URG Core Integration** for an added revenue stream!

Ask about our **DATASAFE DISASTER RECOVERY** product



**Software Solutions**

**801.355.3388**  
**s3softwaresolutions.com**

## AUTOMOTIVE

### Comprehensive condition reports created by Adesa

Adesa, a business unit of global wholesale used vehicle digital marketplace operator KAR Auction Services, Inc., announced more comprehensive condition reports rolling out across the U.S. and Canada, allowing dealers to make more informed and faster buying decisions.

“Our new condition report displays key information in an easy to digest format, reducing the time it takes to make a decision on the vehicle while empowering dealers to buy with confidence,” said John Hammer, chief commercial officer of KAR Global and president of Adesa. “Buyers consistently ask for fast access to the information that matters most to them, including things like damages, tire con-

dition and announcement information. So, we are thrilled to evolve our condition reports to a more digestible format that better meets their needs.”

Highlights of the enhanced condition report include an improved photo gallery with a separate damages section, easier to find tire condition and vehicle options. The most commonly referenced information is featured at the top of the page, including vehicle summary, bid details and images. The phased roll out is anticipated to complete later this year.

Evolving the most innovative and technologically advanced sourcing and wholesale platform remains a key focal point for Adesa and KAR’s digital marketplace businesses.

### Ross joins the National Auto Body Council as program manager

The National Auto Body Council® (NABC) announced that Dale Ross has joined the organization as the program manager for the NABC Recycled Rides® initiative. Ross will lead the NABC program that has gifted more than 2,750 vehicles to families in need since it was launched in 2007.

Ross is a veteran of the collision industry, having spent 38 years with

3M Automotive Aftermarket Division in sales and marketing. He retired from 3M as the marketing operations manager for the collision repair business in 2019.

Ross replaces NABC team member Sandi Freeman, who has returned to her full time position with Hertz. She will continue her role on the NABC Recycled Rides committee.

Capture **Economical Compliance** with **CAR-Go-Net®**

- Fused joints won't unravel
- Easy to apply in a single pass
- Multiple sizes in stock for immediate shipment



**INDUSTRIAL NETTING**  
BUY AMERICAN

800-328-8456

[industrialnetting.com](http://industrialnetting.com)



# AUTOMOTIVE

## Companies fined for selling defeat devices

The U.S. Environmental Protection Agency (EPA) entered into settlement agreements with three companies to resolve alleged violations of the federal Clean Air Act. According to EPA, the companies installed and/or sold illegal “defeat devices” in vehicle engines designed to render emissions controls inoperative.

“Modifying auto emissions impedes federal, state, and local efforts to implement air quality standards that protect public health,” said Wendy Lubbe, acting director, EPA Region 7 Enforcement and Compliance Assurance Division. “EPA is committed to enforce the law against businesses involved in these illegal and harmful practices.”

*A minister and his wife placed an ad for a butler. Early the next morning, a nicely dressed young man appeared at their front door.*

*The minister asked him, “Can you fix breakfast by 7:00 a.m. every day?”*

*“Well... I guess I can.”*

The companies are Banghart Diesel Performance of Wahoo, Nebraska, and Black Widow Diesel of Center Point, Iowa, both diesel repair shops; and Voodoo Diesel, an online retailer based in Raymore, Missouri.

As part of the settlements, all three companies agreed to demolish their inventories of defeat device components and certified that they stopped selling or installing devices that disable vehicle emission controls. The companies will also pay cumulative civil penalties of \$86,000.

Ending aftermarket defeat devices for vehicles and engines is a top priority. The Agency identified this goal as one of six National Compliance Initiatives in 2019.

*“And can you make the beds, dust the living room, do the dishes, cut the grass and polish the silver also?”*

*“Gee, sir, I just came by to see about getting married. But if it’s going to be that much work, I’m starting to have second thoughts!”*

## Northvolt and Volvo Cars choose Gothenburg for new battery factory

The factory will employ up to 3,000 people

Northvolt and Volvo Cars will place their first joint battery factory in Gothenburg, Sweden, next to Volvo Cars’ assembly plant in Torslanda. The new facility will be operational in 2025 and create up to 3,000 direct jobs in Gothenburg. Indirectly, it will also create thousands of additional jobs in the region.

The City of Gothenburg has signed a letter of intent with Volvo Cars and Northvolt for the establishment of a new factory for the production of lithium-ion batteries, directly adjacent to Volvo’s existing Torslanda plant.

The battery factory will be operational by 2025, and will, once fully developed, deliver batteries to half a million cars each year. The factory will employ up to 3,000 people within production, support and management. It will be the first production facility for the new joint venture, where Volvo Cars and Northvolt are investing SEK 30 billion.

“Establishing this gigafactory in Gothenburg is a decisive move, both to continue to transform one of the most dynamic automotive regions in the world, and to become the leading global supplier of sustainable batteries”, said Peter Carlsson, co-founder and chief executive officer of Northvolt.

The first activity for the new jointly owned company will be a battery research and development center, which will open during 2023. The R&D center will be located in Gothenburg and will employ a few hundred people, the companies announced in December 2021.

The battery factory will be developed in two stages. Detail planning is already underway for phase one, which entails 55 hectares. The planning process has been simplified by the fact that the location is of national interest for industrial production, and it is well equipped in many ways, in terms of infrastructure. The involved parties estimate that land preparation and construction can begin during 2022.

Eight administrations within the City of Gothenburg and three municipal companies have worked together to provide solutions that meet the companies’ requirements, which meet environmental criteria and can be realized within a tight time frame. Business Region Göteborg has led this work. Region Västra Götaland, the county administration, has also contributed and created pre-conditions.

Scandinavia’s largest port lies just a few kilometres from the planned factory and a railway is already in place. The government is investing SEK 1.5 billion in infrastructure in the surrounding areas, primarily in the major road, Hisingsleden, which will be fully developed in 2024.

The investments from Volvo Cars and Northvolt further strengthen Gothenburg’s role as a powerhouse for Swedish growth and innovation. The investments have dynamic effects on suppliers in the service sector and make one of Europe’s strongest automotive clusters even more attractive.

*“Don’t buy a copycat, buy the original!”*



**800-999-8100**  
**480.789.3893**  
*(Outside USA)*

# SUPERSHEAR

www.supershears.com



**SAFE  
POWERFUL  
EFFICIENT**

**12-Volt**



**THREE  
DIFFERENT  
MODELS**

**110/220-Volt**



**Gas Supershear**

**Check Out Our  
De-Canning Shear**

As the maker of the leading Catalytic Remover Tool for over 20 years, we make harvesting catalytic converters profitable!

**We have a Shear to Fit Your Needs ... CALL US TODAY!**



## PLASTICS

# Eastman to invest up to \$1 billion for molecular plastics recycling facility in France

French president Emmanuel Macron and Eastman board chair and chief executive officer Mark Costa jointly announced Eastman's plan to invest up to \$1 billion in a material-to-material molecular recycling facility in France. This facility would use Eastman's polyester renewal technology to recycle up to 160,000 metric tonnes annually of hard-to-recycle plastic waste that is currently being incinerated.

Eastman's proven polyester renewal technology provides true circularity for hard-to-recycle plastic waste that remains in a linear economy today. This hard-to-recycle waste is broken down into its molecular building blocks and then reassembled to become first quality material without any compromise in performance. Eastman's polyester renewal technology enables the potentially infinite value of materials by keeping them in production, lifecycle after lifecycle.

The investment would recycle enough plastic waste annually to fill Stade de France national football stadium 2.5 times, while also creating virgin-quality material with a significantly lower carbon footprint. Eastman is the largest investor at this year's "Choose France" event, which is focused on attracting foreign investment to France.



The facility will recycle enough plastic waste annually to fill Stade de France national football stadium 2.5 times. PHOTO COURTESY OF EASTMAN

This multi-phase project includes units that would prepare mixed plastic waste for processing, a methanolysis unit to depolymerize the waste, and polymer lines to create a variety of first-quality materials for specialty, packaging, and textile applications. Eastman also plans to establish an innovation center for molecular recycling that would enable France to sustain a leadership role in the circular economy. This innovation center will advance alternative recycling methods and applications to curb plastic waste incineration and leave fossil feedstock in the ground. The plant and innovation center would be expected to be operational by 2025, creating employment for approximately 350 people and leading to an additional 1,500 indirect jobs in recycling, energy and infrastructure.

## BUSINESS BRIEFS

### MWS Equipment names latest European partner

■ MWS Equipment has appointed Lheureux as the official distributor of MWS washing equipment in France. Focused on providing complete project management services, Lheureux are the perfect partner to support MWS Equipment's ongoing commitment to the European market.

Lheureux have been operating for over 50 years and are an industry leader specializing in equipment for quarries, aggregate recycling and the waste recycling industry. Representing several world-renowned brands, the company is dedicated to supplying high quality equipment and parts. Focused on delivering excellent after-sales service, they are equipped with mobile workshops throughout France.

MWS Equipment and Lheureux will work together with their customers to select the products most suited to their business requirements. The support continues once the product is on-site and incorporates the full product lifecycle service such as after sales technical service support, spare parts and product warranty.

*I went by the house I grew up in and suddenly felt extremely sentimental.*

*I pulled in and knocked on the door. When they opened it, I asked if I could go in and take a quick look around.*

*They said no and slammed the door in my face!*

*Some parents can be real jerks.*

### Rubicon Technologies acquires Germany's Civix

■ Rubicon Technologies, LLC has acquired Civix LLC, a routing software and solutions company based out of Freiburg, Germany. The acquisition expands and enhances the routing capabilities of Rubicon's flagship software products for municipal and private fleets, RubiconSmartCity™ and RubiconPro™, while also helping to drive Rubicon's growth into additional international markets.

Founded in 1999, Civix is the developer of FleetRoute route optimization and strategic planning software and associated technologies for data collection, in-cab navigation, dispatching, tracking, performance monitoring, and messaging. FleetRoute's geographic information system and cloud-based route optimization software is used to solve the most complex high density routing problems through advanced network algorithms developed specifically for the municipal services, utility, and street surveying industries. With customers in North America, Europe and the Middle East, FleetRoute's book of business includes local governments, councils and municipalities; private companies and corporations; public utilities; and federal and regional government agencies. In addition to Civix's full suite of route optimization services, it also provides operational consulting services as part of its offering.

As part of the acquisition, the president of Civix, Dr. Paul Patterson, and his team have joined Rubicon.

# NEW & USED EQUIPMENT FINANCING AVAILABLE

Get the cash you need — quickly and at a great rate!

As experts in the industry, we'll find you the best deal!

Give us a call today and we'll discuss your options.

**DADE**  
Capital Corp.

oDc

800-823-9688

35 Years of  
Specializing in:

- Salvage
- Recycling
- Waste

APPLY ONLINE

[www.DADECapital.com](http://www.DADECapital.com)



## BRIEFS

### New leadership in position at Sellick Equipment

■ Sellick Equipment Limited has appointed Colin Sellick as president of the company. Sellick, a third generation of the family, has a wealth of knowledge as he has worked in most areas of the company including assembly, parts, product support, sales and implementation of the EPR system.

Dan Rankin, CPA, CA has been appointed to the position of vice-president and chief financial officer. Rankin is a newcomer to the forklift landscape but he brings a keen understanding of the financial side of the business.

Greg Buckley, with more than 27 years at Sellick, will become director of engineering and procurement.

Sellick's experienced engineering, sales and service staff remain to continue supporting their extensive dealer network throughout North America.

### Tomra adds Eric C. Olsson to lead plastics segment

■ Tomra Recycling announced the expansion of its North America customer support network by adding Eric C. Olsson as the area segment manager – plastics. This newly created position will be dedicated to strengthening the plastics business by offering in-depth sorting expertise for customers with an emphasis on plastic flake recycling.

Offering virgin polymer production experience, Olsson will lead the charge to help the plastics market transition to a circular life cycle. He will also support Tomra's sales management team in aiding customer design with the best optical sorting technology configuration to improve process efficiency and product purity.

Working for petrochemical giant, Braskem, Olsson spent the last five years in process engineering and sustainable development for the production of polyethylene and polypropylene resins. He was an integral part of the company's circular economy team, charged with developing a sustainability strategy and evolving the business model for growth through recycled product offerings. Olsson holds a degree in chemical engineering from the University of Mississippi.

### Cards Recycling & Disposal acquires HTS LLC

■ Cards Recycling & Disposal, LLC, located in Springdale, Arkansas, has acquired HTS, LLC. Based in Pineville, Missouri, HTS is a local residential and commercial waste hauler in the McDonald County area.

Cards acquired all assets, employees and contracts of HTS and will now operate under the Cards name. The acquisition will add over 2,500 new customers to Cards' business. This is the 11th acquisition for Cards in the past four years.

Terms of the transaction were not disclosed.



# Classified ADVERTISEMENTS

**877-777-0043**

—Always Available—

**PLACE YOUR TEXT AD ONLINE**

[www.AmericanRecycler.com](http://www.AmericanRecycler.com)

### Rates

<b>Text Classifieds</b> \$70 for up to 50 words. Add \$1 each additional word.	<b>Display Classifieds</b> \$75 per column inch depth, 2.5" width.
--	--

WE ACCEPT CHECKS, MONEY ORDERS, MASTERCARD, VISA and DISCOVER.

ALL CLASSIFIED ADVERTISEMENTS MUST BE PAID IN ADVANCE.

## Featured Classifieds

### OUR SERVICES

Mergers & Acquisitions Consulting  
Business Valuation & Brokerage  
Specialty Waste Transportation  
Management Consulting and Advisory  
Asset Preservation & Reorganization  
Waste To Energy Consulting  
New Business Opportunities



Call today!

**609-854-3520**

[rs@sternerconsulting.com](mailto:rs@sternerconsulting.com)

[sternerconsulting.com](http://sternerconsulting.com)

## Material Handlers

**ISRI** Visit us at ISRI Booth #1049!

Fuchs | Liebherr | Sennebogen | CAT

### MATERIAL HANDLERS



New and Used Grapples, New Magnets and Gen-sets, New 24V Magnets

**303-699-7766**

## Miscellaneous

Hi-efficiency, new technology.  
**INCREASE PROFITS!**  
**SWEAT FURNACES**



US Furnaces's MAX-4000

Also: PARTS • REPAIR • CUSTOM BUILDS

**518-424-1168**

[www.RecyclingFurnaces.com](http://www.RecyclingFurnaces.com)

## IRON AX ENVIRO-RACK

Complete fluid removal in less than 5 minutes!



The Enviro-Rack is the most superior auto fluid removal and dismantling system on the market today.

**877-247-6629 • IronAx.com**

## Powercat Copper Recovery System



System Includes:  
Powercat A System  
Powercat C System  
Screening Machine SM320

**844-333-3030**

## Cumberland Model 30 Granulator



Recently rebuilt!  
Includes a 100HP motor.

**844-333-3030**

## Miscellaneous



Transfer Trailer Live Floors™

CONTACT US:  
[Hallcoindustries.com](http://Hallcoindustries.com)  
800.542.5526



## WE BUY AND SELL USED RECYCLING EQUIPMENT

HOVDE RECYCLING EQUIPMENT  
**480-699-2460 TEXT 320-760-5688**  
[scrapequip.com](http://scrapequip.com) [steven@scrapequip.com](mailto:steven@scrapequip.com)

**THE ORIGINAL CATALYTIC CONVERTER REMOVAL TOOL:** Our powerful and easy-to-use products are unsurpassed and we've been making them for 20 years! Choose from 110 or 12-volt, gas or de-canning models. Our three hydraulic models are fast, safe and effective. Custom applications provided as well! 800-999-8100, [www.supershears.com](http://www.supershears.com).

**2012 HARRIS 60 x 90 SHREDDER.** Complete shredding operation available! 2000 HP in good condition. System has been removed from production and taken off the grid. The complete set of Harris foundation drawings and a full list of components is available upon request. Call 844-333-3030 for details.

## Software

**U-PULL IT SOFTWARE:** Get more from your U-Pull It yard and simplify searches. Our product helps you buy cars, create a detailed inventory and then all ties to a point of sale system designed specifically for your business. View demos at our website. Call today! 801-355-3388 or visit [www.s3softwaresolutions.com](http://www.s3softwaresolutions.com).

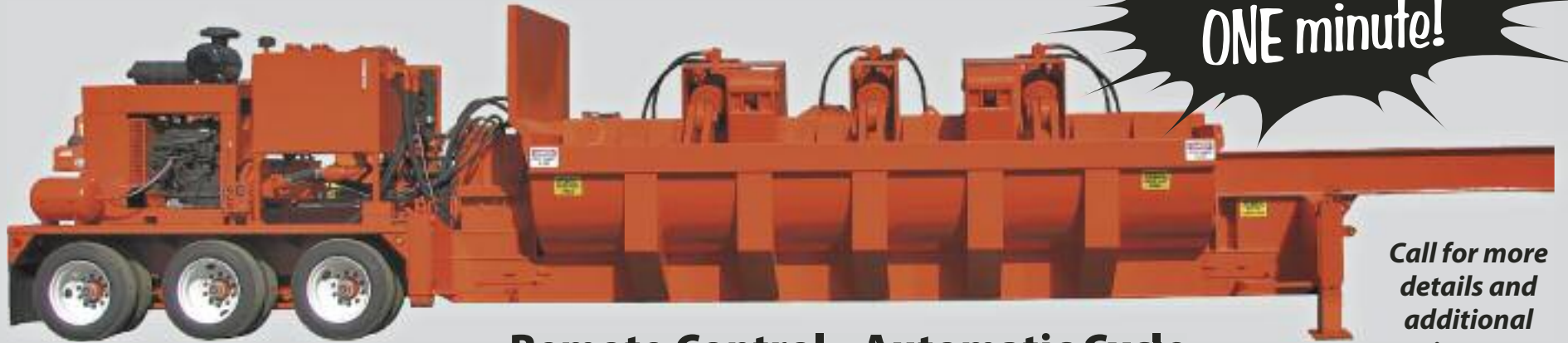
## Tire Recycling

**TIRE SIDEWALL CUTTERS,** used: passenger electric \$2,250, semi truck electric \$5,000, semi truck diesel \$12,500. Located in Charlotte, North Carolina. Call Rob for more information at 954-295-5423



# IRON PACK BALER

Bale a car in  
**ONE** minute!



**Remote Control • Automatic Cycle**

Call for more  
details and  
additional  
pictures.

## IRON AX

Iron Ax is an OEM that produces high quality mobile shears, balers, Enviro Racks, material handlers, booms, lowboy trailers, hydraulic cylinders, fluid couplings & grapples. We also carry Walker Magnets, Square D Controllers, Ohio Magnetics Controllers & Baldor Generators.

# IRON AX SHEAR PACKAGES



All shears feature 360°  
continuous rotation.

Iron Ax is the **ONLY** shear  
manufacturer in the entire industry  
that offers a complete package  
consisting of a shear and an  
excavator.

# THE ENVIRO-RACK

**Complete fluid removal in less than 5 minutes!**

ALL ENVIRO-RACKS ARE  
MADE IN AMERICA  
WITH AMERICAN STEEL  
FOR AMERICAN-SIZED CARS.



The Enviro-Rack is  
the most superior  
auto fluid removal  
and dismantling  
system on the  
market today!



 **RECYCLING**  
EQUIPMENT SALES, INC

Toll-free 877-247-6629  
Fax 478-252-9030  
[www.ironax.com](http://www.ironax.com) | [ironax@ironax.com](mailto:ironax@ironax.com)

  
View the Iron Ax YouTube Channel  
to see the Iron Pack Baler  
In Action Today!



## Ferrous metal market remains strong

by MAURA KELLER

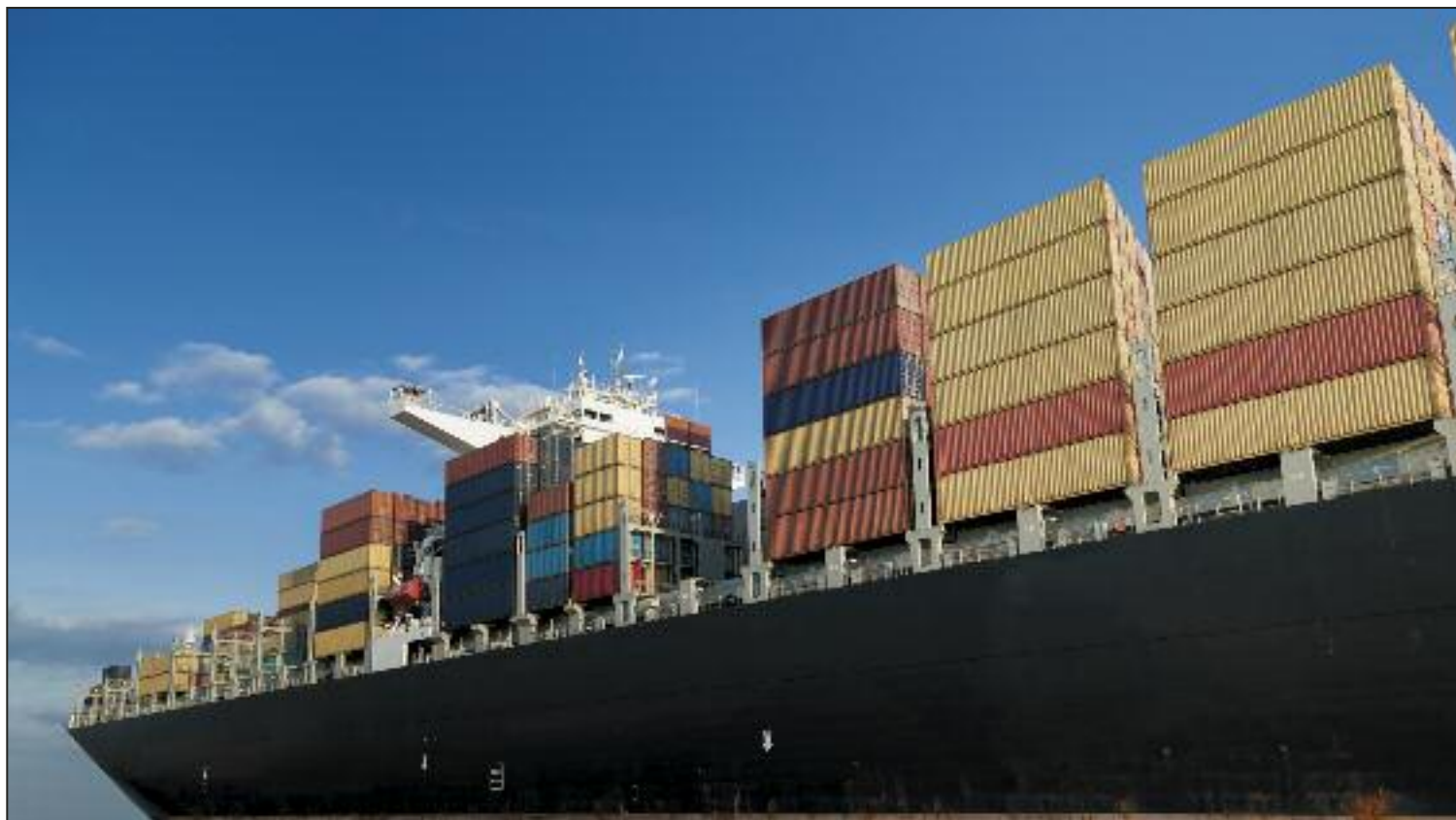
[mkeller@americanrecycler.com](mailto:mkeller@americanrecycler.com)

At the 2021 ISRI fall meetings in October 2021 in Charleston, South Carolina, Joe Pickard, ISRI's chief economist and director of commodities, noted that world steel production fell 1.4 percent year over year in August, but overall is up 10.6 percent year to date.

"Business conditions faced by global steel users improved at a slower pace in September, according to the latest Global Steel Users PMI™ data," Pickard explained. "While output growth quickened for the first time since May, total new orders rose at the softest pace in the current 15 month sequence of expansion. The slowdown was exacerbated by a renewed reduction in foreign demand. Steel users continued to report a slight easing in price pressures during September, which pushed the rate of selling price inflation to the slowest for seven months."

So, what does this mean for the ferrous market and ferrous scrap, in particular? In October 2021, ISRI's U.S. ferrous market snapshot showed steel production up 19.5 percent year to date compared to 2020; imports up 25.5 percent; material processed up 17.8 percent; scrap exports up 9.6 percent and scrap imports up 38 percent.

Specifically, the ISRI panel pointed out that U.S. ferrous scrap exports in 2020 reflected the continued prominence of Asia as a quality scrap destination, according to Blake Hurtik, editor of Argus Metal Prices. Turkey imported 4 million metric tons of ferrous scrap, up 3 percent year over year. Taiwan imported 2 million metric tons in 2020 – a 12 percent decrease from 2019. Mexico was 2020's biggest gainer, importing 1.9 million metric tons, a 32 percent year-on-year gain. Bangladesh, Canada and Pakistan also took more U.S. scrap. As Hurtik explained, Vietnam posted the biggest loss, importing 990,000 metric tons, a 21 percent decrease from 2019. India, Pakistan, and South Korea also imported less scrap in 2020.



The availability of shipping containers is one of the factors keeping demand high and supply low for new and scrap metals.

PHOTO COURTESY OF WIMSEYED | DREAMSTIME

More recently, according to the U.S. Geological Survey (USGS), in November 2021, purchased steel scrap receipts decreased slightly, recirculating scrap production decreased by 5 percent, and iron and steel scrap consumption decreased by 5 percent compared with those in October 2021. What's more, stocks of purchased and home scrap decreased slightly from those at the end of October 2021.

The USGS also indicated that in November 2021, exports of iron and steel scrap decreased by 9 percent from those in October 2021. Turkey was the leading destination for exports, accounting for 26 percent of the total tonnage, followed by Mexico (12 percent) and Taiwan (9 percent). New York, New York, was the leading U.S. Customs district by tonnage of exports, accounting for 18 percent of the total, followed by Los Angeles, California, (15 percent) and San Francisco, California, (11 percent). Imports of iron and steel scrap in November 2021

increased by 9 percent from those in October 2021. Canada was the leading country of origin, accounting for 78 percent of the total tonnage of imports, followed by Mexico (13 percent) and the Netherlands (8 percent). Detroit, Michigan, led the U.S. with 46 percent of the total tonnage of steel scrap imports.

According to Chris Witherspoon, director of vendor relations at Rubicon, the COVID-19 pandemic has been a real driver of pricing over the last couple of years. "In 2020, the market fell like most other commodity markets likely due to a lack of demand, and in 2021, once companies and employees got back to work, pricing rebounded," Witherspoon said.

Indeed, while President Joe Biden's proposed \$2 trillion in U.S. infrastructure spending contains plenty of opportunities for ferrous metals, according to experts on the ISRI 2021 "Ferrous Spotlight: Ferrous Markets to Stay in Full Swing?" panel, certain

issues such as oil and gas pricing, and the availability of shipping containers are keeping demand high and supply low for new and scrap metals. In addition, ISRI experts pointed out that strong Chinese demand continues to loom over the ferrous scene as business begins to recover from the COVID-19 slowdown.

Overseas appetite and commercial building projects also impact the ferrous scrap metal market. As Witherspoon pointed out, when pricing is up on exporting this material, domestic pricing often rises to try to keep the raw material in the U.S.

"The pandemic paused many building projects, and now that things are opening back up, there is an influx of projects and we are seeing a high demand for metal," Witherspoon said. "Driver shortages, temporary closures of scrap yards, and delays in building projects have also hit this market like many other commodity markets."

See FERROUS, Page B6

**BALE LIKE A PRO!**

**ProPAK SERIES balers**

**MAREN**  
Balers & Shredders  
Building customer loyalty since 1962.

Check out Maren's "best in class" balers for Warehousing & Distribution Centers ... the extensive ProPAK Series has just the right baler for you!

Talk to a recycling baler Pro: 800-875-1038  
[marenengineering.com](http://marenengineering.com) • [sales@marenengineering.com](mailto:sales@marenengineering.com)



# Nucor reports record earnings for 2021

Nucor Corporation announced consolidated net earnings of \$2.25 billion, or \$7.97 per diluted share, for the fourth quarter of 2021. By comparison, Nucor reported consolidated net earnings of \$2.13 billion, or \$7.28 per diluted share, for the third quarter of 2021 and \$398.8 million, or \$1.30 per diluted share, for the fourth quarter of 2020.

For the full year 2021, Nucor reported consolidated net earnings of \$6.83 billion, or \$23.16 per diluted share, compared with consolidated net earnings of \$721.5 million, or \$2.36 per diluted share, in 2020.

“By so many measures, 2021 was an extraordinary year for Nucor. Our team delivered incredible financial and operational results in 2021. However, I am even prouder of the fact that our team had a record year in safety performance for the second straight year,” said Leon Topalian, Nucor’s president and chief executive officer.

Nucor’s consolidated net sales increased slightly to \$10.36 billion in the fourth quarter of 2021 compared with \$10.31 billion in the third quarter of 2021 and increased 97 percent compared with \$5.26 billion in the fourth quarter of 2020. Average sales price per ton in the fourth quarter of 2021 increased 12 percent compared with the third quarter of 2021 and increased 99 percent compared with the fourth quarter of 2020. A total of 6,417,000 tons were shipped to outside customers in the fourth quarter of 2021, an 11 percent decrease from the third quarter of 2021 and a 1 percent decrease com-

pared to the fourth quarter of 2020. Total steel mill shipments in the fourth quarter of 2021 decreased 10 percent as compared to the third quarter of 2021 and increased 1 percent compared to shipments in the fourth quarter of 2020. Steel mill shipments to internal customers represented 22 percent of total steel mill shipments in the fourth quarter of 2021, a slight increase compared to 21 percent in the third quarter of 2021 and 19 percent in the fourth quarter of 2020. Downstream steel product shipments to outside customers in the fourth quarter of 2021 decreased 12 percent from the third quarter of 2021 and decreased 1 percent compared to the fourth quarter of 2020.

For 2021, Nucor’s consolidated net sales of \$36.48 billion increased 81 percent compared with consolidated net sales of \$20.14 billion reported in 2020. Total tons shipped to outside customers in 2021 were 28,247,000, an increase of 11 percent from 2020, while the average sales price per ton in 2021 increased 64 percent from 2020.

The average scrap and scrap substitute cost per gross ton used in the fourth quarter of 2021 was \$508, a 1 percent decrease compared to \$511 in the third quarter of 2021 and a 67 percent increase compared to \$305 in the fourth quarter of 2020. The average scrap and scrap substitute cost per gross ton used in the full year 2021 was \$469, a 62 percent increase compared to \$290 in the full year 2020.

Pre-operating and start-up costs related to the company’s growth proj-

ects were approximately \$54 million, or \$0.15 per diluted share, in the fourth quarter of 2021, compared with approximately \$36 million, or \$0.09 per diluted share, in the third quarter of 2021 and approximately \$28 million, or \$0.07 per diluted share, in the fourth quarter of 2020.

In the full year 2021, pre-operating and start-up costs related to the Company’s growth projects were approximately \$130 million, or \$0.34 per diluted share, compared with approximately \$101 million, or \$0.25 per diluted share, in 2020.

During the fourth quarter of 2021, Nucor repurchased approximately 13.5 million shares of its common stock at an average price of \$111.63 per share (33.8 million shares in the full year 2021 at an average price of \$96.92 per share). On December 2, 2021, Nucor’s board of directors approved a new share repurchase program under which Nucor is authorized to repurchase up to \$4.00 billion of Nucor’s common stock and terminated any previously authorized share repurchase programs. As of December 31, 2021, Nucor had approximately 272,000,000 shares outstanding and approximately \$3.8 billion remaining available for repurchases under its share repurchase program.

On December 2, 2021, Nucor’s board of directors declared a cash dividend of \$0.50 per share. This cash dividend is payable on February 11, 2022 to stockholders of record as of December 31, 2021 and is Nucor’s 195th consecutive quarterly cash dividend.

# U.S. and Japan reach deal to cut tariffs on steel

The U.S. and Japan announced it has reached a new steel tariff agreement. Starting April 1, the U.S. will accept up to 1.25 million metric tons of Japanese steel duty-free each year, then apply a 25 percent tariff on imports above that threshold. The tariff rate quota only applies to imports of steel melted and poured in Japan and excludes aluminum. The administration indicated negotiations on easing U.S. tariffs on Japanese aluminum are ongoing.

The Association of Equipment Manufacturers (AEM) senior vice president of government and industry affairs Kip Eideberg issued the following statement in response to the announcement of a U.S. – Japan steel agreement:

“AEM welcomes this announcement, but the Biden administration must expeditiously remove the remaining damaging tariffs put in place by President Trump. U.S. manufacturers are still subjected to tariff rate quotas and 25 percent tariffs on steel and aluminum, while our foreign competitors continue to access the global market at better rates. We strongly encourage the Biden administration to remove all remaining Section 232 steel and aluminum tariffs on our trading partners and allies.”

## VEHICLE DRAIN RACKS

See you at ISRI Booth #1034!

### INCREASE REVENUE

with our

### Auto & Nonferrous Processing Equipment!



wire harness granulating systems



alligator shears for trimming out radiators



Vehicle Depollution



engine crackers for A380 aluminum extraction



catalytic converter de-canning systems



**VORTEX**  
De-pollution & recycling equipment

303-900-4040

vortexdepollution.com




Commodity		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
#1 Bushelings	per gross ton	\$356.00	371.00	380.00	469.00	535.00
#1 Bundles	per gross ton	375.00	368.00	371.00	465.00	530.00
Plate and Structural	per gross ton	355.00	358.00	379.00	402.00	439.00
#1 & 2 Mixed Steel	per gross ton	350.00	347.00	370.00	409.00	419.00
Shredder Bundles (tin)	per gross ton	200.00	208.00	251.00	264.00	265.00
Crushed Auto Bodies	per gross ton	200.00	208.00	251.00	264.00	265.00
Steel Turnings	per gross ton	125.00	130.00	219.00	245.00	290.00
#1 Copper	per pound	4.01	4.11	4.16	4.01	4.34
#2 Copper	per pound	3.88	3.84	3.84	3.81	4.05
Aluminum Cans	per pound	.81	.83	1.00	.87	.89
Auto Radiators	per pound	1.94	1.82	2.25	2.38	2.49
Aluminum Core Radiators	per pound	.80	.74	.75	.74	.75
Heater Cores	per pound	1.53	1.52	1.58	1.76	1.95
Stainless Steel	per pound	.83	.82	.89	.92	.99

All prices are expressed in USD. Printed as a reader service only.

**DISCLAIMER:** American Recycler (AR) collects pricing and other information from experienced buyers, sellers and facilitators of scrap metal transactions throughout the industry. All figures are believed to be reliable and represent approximate pricing based on information obtained by AR (if applicable) prior to publication. Factors such as grades, quality, volumes and other considerations will invariably affect actual transaction prices. Figures shown may not be consistent with pricing for commodities associated with a futures market. While the objective is to provide credible information, there is always a chance for human error or unforeseen circumstances leading to error or omission. As such, AR is not responsible for the accuracy or completeness of the information provided, or for outcomes arising from use of this information. American Recycler disclaims any liability to any person or entity for loss or damage resulting from errors or omissions, including those resulting from negligence of AR, its employees, agents or other representatives.



## World crude steel production increased 3.7 percent in 2021

### Top 10 Steel-Producing Countries

	DEC 2021	% Change DEC 21/20	JAN-DEC 2021 (Mt)	% Change JAN-DEC 21/20
CHINA	862.0	-6.8	1,032.8	-3.0
INDIA	10.4	0.9	118.1	17.8
JAPAN	7.9	5.4	96.3	14.9
U.S.	7.2	11.9	86.0	18.3
RUSSIA	6.6	0.0	76.0	6.1
SOUTH KOREA	6.0	1.1	70.6	5.2
TURKEY	3.3	-2.3	40.4	12.7
GERMANY	3.1	0.1	40.1	12.3
BRAZIL	2.6	-11.4	36.0	14.7
IRAN	2.8	15.1	28.5	-1.8

The World Steel Association, with members including steel producers, industry associations and research institutes, released numbers for global steel production in 2021.

Africa produced 1.2 Mt in December 2021, down 9.6 percent on December 2020. Asia and Oceania produced 116.1 Mt, down 4.4 percent. The CIS produced 8.9 Mt, down 3.0 percent. The EU (27) produced 11.1 Mt, down 1.4 percent. Europe, The Middle East produced 3.9 Mt, up 22.1 percent. North America produced 9.7 Mt, up 7.5 percent. South America produced 3.5 Mt, down 8.7 percent.

### Top ten producers

China produced 86.2 Mt in December 2021, down 6.8 percent on December 2020. India produced 10.4 Mt, up 0.9 percent. Japan produced 7.9 Mt, up 5.4 percent. The U.S. produced 7.2 Mt, up 11.9 percent. Russia is estimated to have produced 6.6 Mt, the same as in December 2020. South Korea produced 6.0 Mt, up 1.1 percent. Germany produced 3.1 Mt, up 0.1 percent. Turkey produced 3.3 Mt, down 2.3 percent. Brazil produced 2.6 Mt, down 11.4 percent. Iran is estimated to have produced 2.8 Mt, up 15.1 percent.

## Tornado relief project aided by Trinity Metals; raises over \$50,000

As the Honorable Order of Kentucky Colonels continues to raise and distribute disaster relief funds, recent help came from a seemingly unlikely source. Two Indianapolis businesses – Trinity Metals and Hotel Tango Distillery – are teaming up to provide not one or two, but three barrels of Bourbon that the Colonels will sell to their contributing members. All proceeds from the sale of 648 bottles will be directed to organizations assisting victims of the December tornadoes in Kentucky.

“Trinity Metals is honored to support the Honorable Order of Kentucky Colonels by sponsoring this Fundraiser

with Hotel Tango for the Kentucky Tornado Relief Effort,” said Trinity Metals chief executive officer Colonel Wade Conner. “The Commonwealth of Kentucky has always been an important part of the Trinity success story and it is only fitting that we support the tornado relief effort with our best efforts. The Board of Trustees of the Honorable Order of Kentucky Colonels has the connections and networks in place to put our charitable dollars to work far more effectively than we ever could. It is an honor for us to be able to contribute to this good work.”

## AR EQUIPMENT SPOTLIGHT

To be included in the spotlight, you must **manufacture** the equipment featured. We require a company name, one contact person, a telephone number and, if applicable, a website address.

To be listed in the appropriate spotlight, please call 877-777-0043.

### UPCOMING TOPICS

- APR Size Reduction
- MAY Compactors
- JUN Tub Grinders
- JUL Safety Equipment

## Joint United States – United Kingdom statement on addressing global steel and aluminum excess

U.S. Secretary of Commerce Gina M. Raimondo, United States Trade Representative Katherine Tai and United Kingdom Secretary of State for International Trade Anne-Marie Trevelyan announced the start of bilateral discussions to address global steel and aluminum excess capacity, including the U.S. application of tariffs on imports from the United Kingdom under Section 232 and the UK’s retaliatory tariffs on certain U.S. exports to the UK. Both parties are committed to working towards an expeditious outcome that ensures the viability of steel and aluminum industries in both markets against the continuing shared challenge of global excess capacity and strengthens their democratic alliance.


During a virtual meeting, Secretary Raimondo and Secretary of State Trevelyan discussed the impact on their industries stemming from global excess capacity driven largely by

China. The distortions that result from this excess capacity pose a serious threat to market-oriented steel and aluminum industries in the U.S. and the United Kingdom, and to the workers in those industries. They agreed that, as the U.S. and the United Kingdom are close and long-standing partners, sharing similar national security interests as democratic market economies, they can partner to promote high standards, address shared concerns and hold countries that practice harmful market-distorting policies to account.


Secretary Raimondo, Ambassador Tai and Secretary Trevelyan will enter into discussions on the mutual resolution of concerns in this area that addresses steel and aluminum excess capacity and the deployment of effective solutions, including appropriate trade measures, to preserve our critical industries.

**NEW**

DUST & ODOR CONTROLLER



**THE TRIDENT**



**BUFFALO TURBINE**

**74 HP DIESEL ENGINE**  
**NO GENERATOR REQUIRED**  
**3X THE COVERAGE**

(716) 592-2700 • BuffaloTurbine.com

## Moving soon?

To ensure you continue receiving your copy of American Recycler, please notify us as soon as you have your new address!

Send changes to [donna@AmericanRecycler.com](mailto:donna@AmericanRecycler.com) or call us at 877-777-0043.





# EQUIPMENT SPOTLIGHT

## Magnets

by **MARY M. THORNTON**

maryt@americanrecycler.com

Due to the increasing demand for steel and the urbanization and industrialization in developing countries, the metal recycling market is projected to be \$76.1 billion by 2025 (Markets & Markets). As those in the industry seek to cull the maximum yield from their scrap metal stock, magnets are often one of the tool types used in that effort. Methods and products vary and of course, it is important to confirm the best type of tool for the material configuration involved.

Bunting's patented stainless steel separation conveyor (SSSC) allows for recovery of up to 98 percent of small and mid-fraction 300 series stainless steel and up to 94 percent of large fraction stainless steel from ASR zurik lines. A magnetic circuit design of high intensity neodymium magnets maximizes stainless steel recovery and removal in applications such as general recycling, auto shredding and wire chopping streams. The SSSC provides maximum removal of stainless steel and ferrous dust from wire fraction



Bunting

customers to identify and deliver the most effective equipment solution for their operations," said Mike Wilks, global marketing director.

He added, "With multiple SSSC features designed to maximize separation efficiency and streamline operations, the machine is equipped with 8" and 12" diameter patented, high intensity neo magnetic circuit head pulleys, capable of holding all sizes of 300 series stainless steel. Also, the product's VFD controllers, operating between 30 and 120 fpm, deliver effective separation and general capacities run about

1,000 lb./hr./ft. width on small fraction, 1,500 lb./hr./ft. on mid-fraction, and 2,000 lb./hr./ft. on large fraction. SSSC optional features include a patented air knife, discharge hood, and vibratory feeder. Generally, product recycling purity directly correlates to profitability and

higher purity product results in greater profit. Product that is excessively contaminated can sometimes result in no profit at all. Call Bunting today, and we can help you maximize your scrap purity and profitability."

According to Alan Zelunka, owner of Gensco Equipment, "Gensco magnets of all sizes and capacities, designed for the roughest of applications, are proven in use every single day. Our magnets are built with cast

steel shells, for long life and reliability. Deep field aluminum –and yes, some copper coils, are suitable for 230 volt DC operation in harsh scrap environments. Light duty versions are available for railway and demolition applications, operating on 24 volts DC. Gensco has lead the market by offering the first-of-its-kind Dynaset line of hydraulic-driven power and control systems, for use with mobile hydraulic machines. The original HMAG, built in a hydraulic-driven generator form, is suitable for countless applications."

In addition to manufacturing magnets, Gensco has earned a reputation in the industry for a range of high quality products for scrap handling and processing. Included are scrap handling grapples, shears of all types and sizes, balers and briquetters, shredders and full systems for processing (cutting, stripping, chopping) scrap electric cables. "We've been part of the scrap industry for over 100 years and a major part of our success has been in the supply of thousands of circular scrap magnets to recyclers, mills and foundries throughout North America. We offer complete manufacturing and rebuilding facilities, parts, accessories and we serve the global market from locations in Toronto, Canada and Decatur, Georgia," added Zelunka.

Brand manager Mark Volansky explained how the seasoned engineers and manufacturing team at Winkle deliver efficient and durable solutions in their lifting magnets, power and electrical control systems, to guarantee optimum performance for scrap metal recyclers. "Our industry leading OptiMag DS Series magnets are a proven choice for increasing productivity when lifting all types of ferrous scrap metal. Engineered with deep and



Gensco America, Inc.

and the purest zurik, maximizing scrap metal recovery profitability.

"The SSSC is the only product available in the modern recycling market that achieves such high stainless steel recovery levels. Bunting's on-site testing facilities allow our clients to see how their material interacts with the SSSC in real time, and provides valuable performance information. We offer extensive custom design options because our engineers work with our

### MANUFACTURERS

**Bunting**  
**Mike Wilks**

316-284-2020  
www.buntingmagnetics.com

**Eriez Magnetics**  
**John Mackowski**

800-345-4946  
www.eriez.com

**Gensco America, Inc.**  
**Alan Zelunka**

800-268-6797  
www.genscoequip.com

**Magnetech Industrial Services, Inc.**

**Fran Finn**

219-937-0100  
www.magnetech.com

**Magnetic Products, Inc.**

**Robert Fischer**

248-887-5600  
www.mpimagnet.com

**Moley Magnetics, Inc.**

**Jeff Seavers**

716-434-4023  
www.moleymagneticsinc.com

**Ohio Magnetics Inc.**

**Sam Beasley**

800-486-6446  
www.ohiomagnetics.com

**SGM Magnetics Corp.**

**Mick Erdos**

941-342-8800  
www.sgmmagnetics.com

**Winkle Industries**

**Mark Volansky**

330-306-4802  
www.winkleindustries.com

extra-deep field wound coils, robust mechanical constructions and continuous duty cycles, the design features of this series ensure optimum performance without sacrificing durability. To utilize the full capacity of your crane, choose from Winkle's diversified portfolio of circular scrap magnets, to improve throughput and maximize profitability."

Volansky noted that Winkle's DB Series magnets incorporate extra-heavy duty mechanical construction and extra-deep-field coils, to gain exceptional saturation levels, superior duty cycles and extended service life, without sacrificing service life and lifting performance. Their DSG Series

See MAGNETS, Page B5

**GENSCO**

WWW.GENSCOEQUIP.COM

1-800-268-6797

MAGNETS



GENERATORS



ALLIGATOR SHEARS



AND MUCH MORE

COME VISIT US  
AT ISRI  
BOOTH 1635



# Magnets

Continued from Page B4



Winkle Industries

grapple magnets allow operators to combine the tines of a standard orange peel grapple with the capacity of a round lifting magnet. Following magnet clean-up of an area, use the grapple to increase lifting capacity and hold scrap while de-energizing the magnet, thus saving on magnet wear and tear. Safely sort out valuable ferrous steel without changing to another attachment, and reduce labor costs while increasing return on ferrous metal. Unlike round magnets, DSR Series magnets are well-suited for loading and unloading rail cars, easily accessing corners and for complete clean out. This series can also be custom-designed, to maximize crane capacity. For work environment clean-up, Winkle's RS Series magnets are a fast, efficient and practical solution to rid roadways of metal that cause costly tire and equipment damage. The rectangular magnets can be used with all types

of machines –fork lifts to trucks – to eliminate metal from roadways.

“Our power supply product line – generators, controllers and more – along with our parts distribution and field service proficiencies, will all keep your recycling facility operating safely and effectively. The scrap industry continues to remain strong and it is important for recyclers to work with a company that can provide effective solutions, not just sell products to you. We sell and repair magnets and magnet systems for every application, but more importantly, we provide solutions to ensure the greatest success of our customers. Since 1949, Winkle offers tremendous experience in all phases of magnet and power system design, engineering, manufacturing techniques and customer service. This allows Winkle to offer complete service for every phase of metals recycling,” Volansky said.



BUYERS OF  
GASOLINE • DIESEL • JET FUEL • TRANSMIX

Call today for more info and a quote!

**619-932-9563**

jerryh@lambfuels.com • www.lambfuels.com

A PROCESS YOU CAN TRUST.

Catalytic Converters  
ECUs • Hybrid Batteries



Subscribe Today!

**PGM  
DAILY  
DOUBLE**

- PGM prices DIRECT to your phone twice daily It's Free!
- Get market prices for Platinum, Palladium, and Rhodium twice each business day.

Text  
"DAILY" to:  
**864.834.2003**

www.UnitedCatalystCorporation.com  
100 Industrial Blvd. | Fountain Inn, SC 29644



## NEW PRODUCT SHOWCASE



### ASV LAUNCHES NEW LINE OF BRANDED ATTACHMENTS

ASV Holdings Inc., a manufacturer of all purpose and all-season compact track loaders and skid steers, introduces a line of branded attachments tested for use on ASV machines.

The ASV-branded attachments include a full range of buckets, pallet forks, grapples and brush mowers, with each attachment type available for every machine in ASV's lineup. Contractors benefit from being able to work with an ASV dealer as a single point of contact for a comprehensive package of ASV equipment and attachments, as well as the confidence that the tool is tested to ensure maximum efficiency with their equipment.

**ASV LLC**  
840 Lily Lane  
Grand Rapids, MN 55744  
800-205-9913  
www.asvllc.com



### BPS VIBRATORY FEEDERS ARE DESIGNED FOR TOUGH JOBS

Vibratory feeders manufactured by Best Process Solutions, Inc. (BPS), are designed to smoothly convey products. Flow of material is adjustable and flow rate can be variable or fixed.

Electric or air-operated models, BPS heavy duty vibratory feeders are designed with above, below or side mounted drives and can be arranged for base mounting or overhead suspension. Feeders come in custom vibrating trough lengths and with special trough designs available.

Models include air-operated light duty, air-operated heavy duty, twin-motor vibrating pan and grizzly feeders, electromagnetic, twin motor and others.

**Best Process Solutions**  
1071 Industrial Parkway  
Brunswick, OH 44212  
330-220-1440  
www.bpsvibes.com



### MWS EQUIPMENT LAUNCHES SMARTER WATER MANAGEMENT

Smarter washing solutions specialist, MWS Equipment is proud to announce the latest addition to its product portfolio. The Hydropure thickener range is designed to maximize water recovery whilst minimizing the use of tailing dams.

The primary goal of the Hydropure thickener is to recycle as much water as possible at the point of use ready for feeding back to the wash plant. The MWS Equipment range of thickeners come in a variety of diameters of 6, 8, 10 and 12 metres. They are designed to handle various flow rates from 180 to 650 m<sup>3</sup>/hr of slurry and process up to 40 tph of solids.

**MWS Equipment**  
1 McCloskey Road  
Keene, Ontario  
Canada K9J 0G6  
888-588-8056  
www.mwswashing.com



### UNTHA AMERICA UNVEILS NEW ZR TWO SHAFT SHREDDER

Untha America has revealed a new two shaft shredder – the ZR. And, following 24 months of rigorous industry research and development, including prototype trials in Europe, this dual shaft machine now promises the lowest lifecycle costing for waste, wood, electronics and metal shredding in its class.

The high-performance ZR has been purposefully engineered for multi-shift, continuous pre-shredding.

The machine's low speed, high torque drive means it can process severe duty applications with ease, for a high level of shredder and ultimately plant availability. And the modular, quick change cutting table design presents versatility at the core.

**Untha Shredding Technology Inc.**  
1 Lafayette Road  
Hampton, NH 03842  
603-601-2304  
www.untha-america.com



### VAN DYK INTRODUCES GÜNTHER SPLITTER SCREEN TO ITS LINE

Van Dyk Recycling Solutions welcomes their newest equipment partner Günther to continue supplying world-class recycling solutions to the North American market. The German manufacturer specializes in screening technology and is the original designer and producer of the spiral shaft screen technology. Günther patented their SPLITTER® screen in 2004.

The SPLITTER screen is a primary separation device for sizing materials at the front end of MRF systems. The screen is customizable in size and application and effective at high capacities. Its open-ended design is non-wrapping, self-cleaning and low maintenance.

**Van Dyk Recycling Solutions**  
360 Dr Martin Luther King Jr Drive  
Norwalk, CT 06854  
203-967-1100  
www.vdrs.com

## Ferrous

■Continued from Page B1

As the volatility of the ferrous scrap market continues, recycling industry professionals need to pay attention to some key factors to understanding the market outlook. These include government building projects, infrastructure updates, the strength of the U.S. dollar, and overseas demand.

### Looking Ahead

So, what does the future of the ferrous scrap market look like? Witherspoon pointed to mill expansions and new openings that would give scrap yard owners more options to sell, which should consolidate competition and drive prices up.

In addition, the continued supply chain and shipping issues will have an ongoing effect on the ferrous scrap market. For instance, as Hurtik explained, scrap shipping costs will eat into margins for the foreseeable future due to high shipping container prices, a driver shortage in the U.S. trucking industry, and railroad giant CN's \$34 billion bid to acquire Kansas City Southern. Hurtik indicates the ongoing semiconductor shortage could affect domestic vehicle production for another six months. According to ISRI, these issues occur amid a 2020-2023 capacity boosting spree by ArcelorMittal, CMC, Nucor, SDI and U.S. Steel. Because of those additions, production of merchant bar quality rebar, tubular and sheet plate steel will need high quality prime scrap.

Continued consolidation activity through mergers and acquisitions within the ferrous market also will lead to fewer players in the market as aging owners of recycling companies decide

to cash out after a period of high selling prices. Their reasons for merging and acquiring other entities within the ferrous metal industry can vary from a need to expand into adjacent geographic markets, consolidate synergies, or better position their company for the next market up-trend and the recovery from the ongoing pandemic.

For example, in October 2021, Orange, California based SA Recycling purchased Ohio based PSC Metals, Capital Scrap, Southern Scrap and Metals USA. Prior to that, in August 2021, SA Recycling deepened its presence in the southeast U.S. with the acquisition of scrap metal processor Southern Recycling. The company first began acquiring scrap businesses located throughout the southeast U.S. in 2016 when it purchased 17 scrap metal processing facilities owned by Newell Recycling Southeast. This is simply one example of the depth of the consolidation happening within the ferrous scrap market.

Experts agree that as large mills that are flush with cash buy up smaller scrap yards and shredders, this industry consolidation will streamline the export opportunities and increase the competition for scrap. Continued M&A in the steel industry will lead to fewer players in the market and those that remain, will be larger and better equipped to handle market challenges.

"With the surge of need and projects, mills had a great 2021, likely attributable to high revenues based on the unprecedented value of their end products," Witherspoon said. "With these large profits, we expect to continue to see these mills acquiring small to medium sized scrap yards in order to own the feedstock for their own processes, putting them in an advantageous position."

**Call John Monaghan, CPA, CVA for your expert financial advice.**

EXPERIENCED IN SOLID WASTE & RECYCLING BUSINESS VALUATIONS

**What's Your Business Worth?**



VZN Group, LLC

419-882-1886

www.vzncpa.com

- Accurate Business Valuation
- Financial Forecasting
- Consulting
- Tax Preparation & Planning

John Monaghan, CPA, CVA

**ADVERTISE IN AMERICAN RECYCLER**



Contact us today for a 2022 Media Kit!

**877-777-0043**

Sales@AmericanRecycler.com



## US Steel breaks ground on new EAF steel mill

United States Steel Corporation broke ground in Osceola, Arkansas on the company's next generation highly sustainable and technologically advanced steel mill in February. The \$3 billion steelmaking facility will be the most advanced in North America and largest private project in the history of Arkansas.

"Several years ago, we embarked on a transformative vision for U. S. Steel," said U. S. Steel president and chief executive officer David B. Burritt. "Now we celebrate, as we take another significant step forward in becoming the steel company of the future. This facility is engineered to bring together the most advanced technology, to create the steel mill of the future that delivers profitable sustainable solutions for our customers."

The new plant will be adjacent to U. S. Steel's Big River Steel. Together, the two facilities will be known as Big River Steel Works. The new plant is expected to bring 900 plant jobs to the area, along with thousands of construction jobs. State, county and local officials, along with key business partners Entergy and BNSF, joined U. S. Steel president and chief executive officer David B. Burritt to celebrate this transformative investment.

The new optimized steel production facility is expected to feature two electric arc furnaces (EAFs) with 3 million tons per year of advanced steelmaking capability, a state-of-the-art endless casting and rolling line, and advanced finishing capabilities. This first use of endless casting and rolling technology in the U.S. brings significant energy, efficiency and capability enhancements to the company's operations.

Project completion and full operation is anticipated by 2024. Upon completion, this project will apply to become LEED® certified.

## December steel shipments decrease

The American Iron and Steel Institute (AISI) reported that for the month of December 2020, U.S. steel mills shipped 7,049,785 net tons, a 4.4 percent increase from the 6,753,447 net tons shipped in the previous month, November 2020, and a 12.1 percent decrease from the 8,021,250 net tons shipped in December 2019. Shipments for full year 2020 were 81,000,300 net tons, a 15.8 percent decrease vs. 2019 full year shipments of 96,178,278.

A comparison of December shipments to the previous month of November shows the following changes: hot rolled sheet, up 3 percent, galvanized sheet, up 2 percent and cold rolled sheet, down 3 percent.

## NY DEC deploys vessels to enhance artificial reef network

New York State Department of Environmental Conservation (DEC) Commissioner Basil Seggos has deployed two steel vessels, the "Chickadee" on the McAllister Grounds Reef and "Barge 226" on Smithtown Reef, as part of the State's ongoing efforts to expand New York's network of artificial reefs. These deployments continue to build on DEC's efforts to develop a stronger, more diverse marine ecosystem and provide shelter for fish and other marine life off New York's shores.

"Adding these two vessels, the Chickadee and Barge 226, to New York's artificial reef network demonstrates the Department of Environmental Conservation's sustained commitment to expanding and enhancing artificial reefs that benefit marine life and offer new opportunities for anglers and divers," said Commissioner Seggos. "These two vessels now have renewed purpose on the sea floor by establishing structural habitat, enhancing the marine ecosystem, and supporting recreationally and commercially important marine fisheries."

DEC manages the State's 12 artificial reefs, which include 2 reefs in Long Island Sound, two in the Great South Bay, and 8 in the Atlantic Ocean. All 12 reef sites received new materials since 2018, and these two deployments continue to enhance the artificial reef network.

Part of the McAllister Grounds Reef now, the vessel Chickadee is a 45 foot steel tugboat built by the U.S. Navy in 1948. Prior to being deployed, the Chickadee assisted with towing Long Island Lighting Company (LILCO) coal and oil barges in Port Jefferson, New York. The vessel was formerly berthed in Staten Island and owned by Admiral Towing and Salvage LLC. Barge 226 is an 80 foot steel deck barge used for commercial marine construction before being repurposed as part of Smithtown Reef to help create new marine habitat. The New York Power Authority supported preparation, cleaning and deployment of the two vessels, which were donated by Admiral Towing and Salvage LLC.

The benefits of constructing New York's artificial reefs include improving existing habitats to increase local marine biodiversity, stimulating more productive and diverse aquatic ecosystems,

and promoting environmental sustainability. Steel surplus materials are stable and durable reef-building material that provide shelter and forage opportunities for finfish and crustaceans that inhabit these underwater structures, such as tautog, fluke, black sea bass, scup, and lobsters. Sunken vessels also attract scuba divers that explore and photograph the underwater structures.

DEC's Artificial Reef Program is popular with local fishermen and divers and helps support the local Long Island economy. Additional patch reef creation through material deployments will increase the use and enjoyment of these valuable New York State resources. Anglers and divers who access the artificial reefs support local businesses through the purchase of fuel, bait and tackle, marine equipment, scuba equipment and by using for hire party/charter and dive vessels. New York's marine resources are critical to the state's economy, supporting nearly 350,000 jobs and generating billions of dollars through tourism, fishing and other industries. More than 500,000 anglers in the region will reap the benefits of this new initiative, supporting the region's growing marine economy which accounts for approximately 9.7 percent of Long Island's total GDP.

## Novelis reports increased income for third quarter

Novelis Inc. reported net income attributable to its common shareholder of \$262 million in the third quarter of fiscal year 2022, compared to \$176 million in the prior year period. Net income from continuing operations increased to \$259 million compared to \$195 million in the prior year period. Excluding special items in both years, third quarter fiscal year 2022 net income from continuing operations increased 15 percent to \$241 million.

Net sales increased 33 percent to \$4.3 billion for the third quarter of fiscal year 2022, compared to \$3.2 billion in the prior year period, primarily driven by higher average aluminum prices. Total flat rolled product shipments were 930 kilotonnes in the third quarter of fiscal year 2022, in line with the prior year period shipments of 933 kilotonnes. Shipment growth was constrained by the continued semiconductor chip shortage impacting the automotive industry.

Adjusted EBITDA increased 1 percent to \$506 million in the third quarter of fiscal year 2022, compared to \$501 million in the prior year period, which included a \$25 million customer contractual obligation benefit. Adjusted EBITDA per ton shipped increased to \$544 in the third quarter of fiscal year 2022, compared to \$537 in the prior year period.



REGISTER NOW

LOOK FORWARD

HONOR THE PAST

2022 URG TRAINING CONFERENCE APR 7-9

HYATT REGENCY NEW ORLEANS

U-R-G.COM/CONFERENCE



*Knock, knock!*

*Who's there?*

*Irish.*

*Irish who?*

*Irish you a happy St. Patrick's Day!*







# Complete Tire Crumb Line!

Shred Tech 150  
Eldan Rasper  
Wendt Conveyance  
Rotex Screeners  
—And much more!



Inquire at:  
DADE Auctions, Inc.  
[www.DADEAuctions.com](http://www.DADEAuctions.com)  
844-333-3030

**Register  
Today!**

## FEATURED BUY NOW LISTINGS



**2006 International 7400 DT570.**  
25-yard Heil rear load packer body.



**2011 BHS Bag Breaker 72" LH Drive.**  
Removed from service running



**1995 AmeriShred Tire Shredder.**  
4.5" cut. Includes conveyance.



**1993 International 2554 Roll Off Truck.**  
Accurate outside rail roll off hoist.



**2021 Mikron Hidrolik Rotating Grapple.**  
5 fine. 360 degree rotation.



**Thurman 70' Truck Scale.**  
200,000lb capacity. Concrete deck.



**ShredPax AZ80 Hook Shear Shredder.**  
Includes trommel assembly and hopper.



**Hustler Money Maker Sorter.**  
Does not include cross belt magnet.



**2007 Enterprise 300 18RH Alligator Shear.**  
18" blade. Right hand. 480V.