



# American Recycler

NewsVoice of Salvage, Waste and Recycling

AmericanRecycler.com

## FOCUS: Buyer's Guide

ARN's Buyer's Guide launched in 2019 in a pull-and-keep section!



### WHAT'S INSIDE

- Manufacturer fined for pollution control bypass sales. Page A7
- AF&PA releases paper reports for October. Page A9
- Study confirms autos with AHSS steel have lower GHG emissions than aluminum. Page A11
- Steel Dynamics to build sheet mill in southwest U.S. Page A15
- Events Calendar..... 4
- Industry Profile..... 9
- Salvaging Millions..... 10
- Scrap Metals MarketWatch..... 15
- Equipment Spotlight..... 19
- Classified Advertisements..... 20
- New Product Showcase..... 22
- Buyer's Guide..... B1

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

01.2019

CHANGE SERVICE REQUESTED

American Recycler

6546 Weatherfield Court, Ste C-2  
Maumee, OH 43537

# Closing the loop on C&D materials

by MAURA KELLER

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

As the construction and demolition (C&D) markets continue to expand across the nation, so do the issues facing the recycling of the materials used within the industry. According to the Construction & Demolition Recycling Association, more than 583 million tons of C&D debris was generated in 2015. Of that, wood waste makes up about 40 percent of the infed to mixed C&D recycling facilities.

As Marc Spiegel, co-founder of Rubicon and head of C&D Recycling Solutions, Rubicon Global said, “Companies that own landfills continue to fill them up instead of recycling material. Accordingly, much of the volume that could go for beneficial use is being landfilled. If this material was aggregated, markets would likely improve dramatically.”

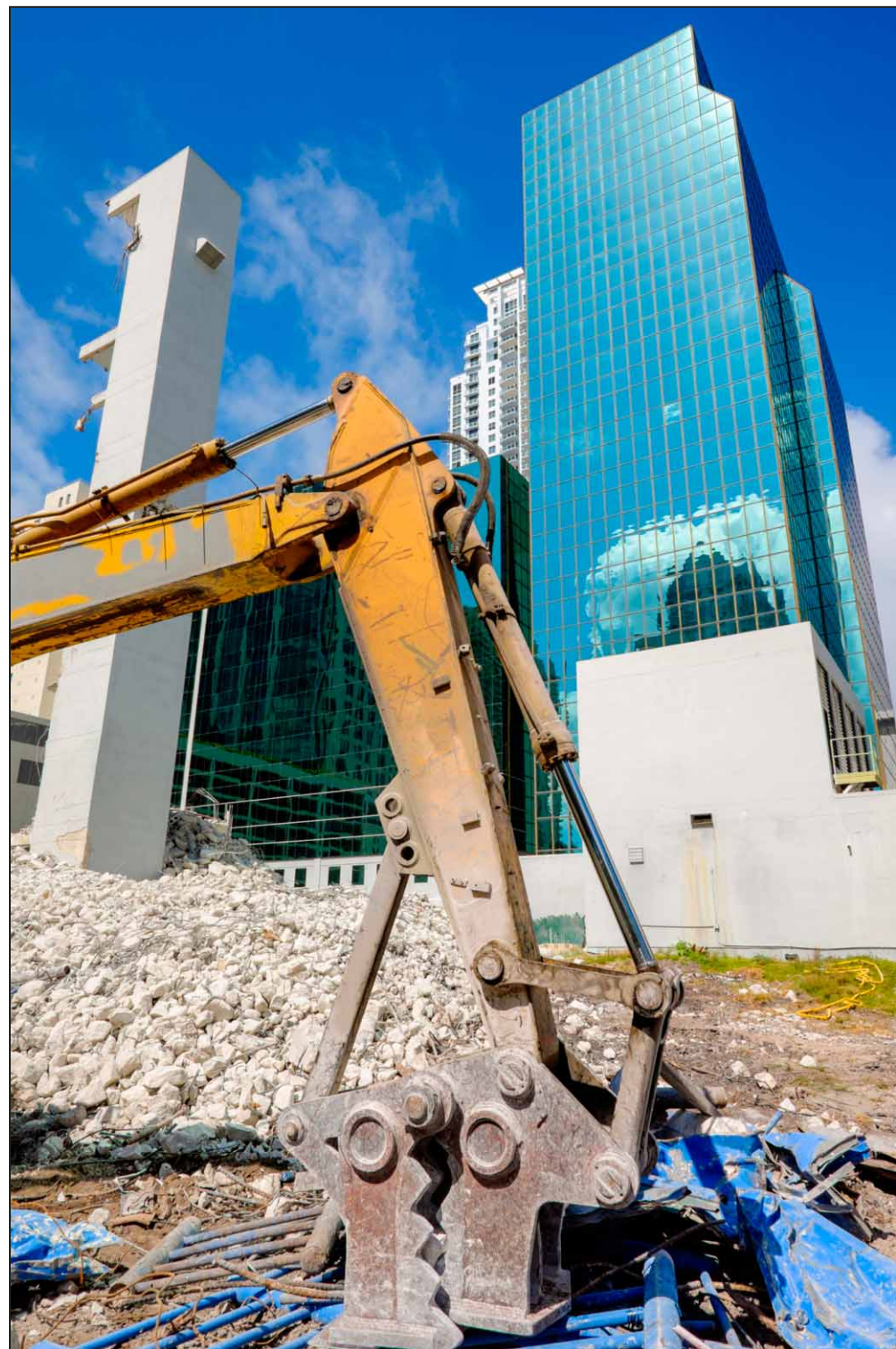
As Spiegel explained, the lack of dedicated C&D material at recycling facilities means that each commodity must have its own open top container to help prevent cross contamination and improve separation.

“This can significantly raise the hauling costs and account for additional hauls,” Spiegel said. “The low value of the commodities captured means that recycling could cost more than taking the material to the landfill. This is an issue facing the entire recycling industry, not only the construction and demolition segment. Landfill owners want communities to throw things away as opposed to recycling them.”

Divya Natarajan, senior consultant at Paladino and Company, which is a leading sustainability consulting firm that works with GCs, architects, owners and developers nationwide on projects ranging from typical 5/1 mixed use multifamily projects to high aspiration commercial towers and master plans, said one of the biggest issues of concern facing the C&D industry is often rooted in training and knowledge of what is available in the market.

“We’ve received calls from desperate construction managers who want to comply with waste regulations and certification requirements, but honestly have no idea where to start,” Natarajan said. “High turnover in the industry exacerbates this issue as institutional knowledge is lost with each regrettable turnover.”

Additionally, recycling standards and access to the waste vendors that perform recycling to those recycling standards can be spotty. That’s why Natarajan says there needs to be a commitment from the major general contractors to significantly reduce waste



Society is more aware of the impact construction projects can have on the environment. Construction companies are taking steps to reduce negative consequences.

PHOTO BY FOTOLUMINATE | DREAMSTIME

and responsibly dispose of it, if the industry is going to benefit from enough market demand to drive improvements in recycling processes.

“Recyclable quality can be location-specific,” Natarajan says. “We see high quality recyclables in the Pacific Northwest, where sustainability is part of the local ethos, however other parts of the country are still developing their local knowledge about recyclability. When ‘good’ and ‘bad’ recyclables are combined, it can wreak havoc on the process.”

### Ongoing Evolution

There have been some important changes to C&D recycling in recent years. Most notably, as society becomes more environmentally conscious, it is

essential that construction companies can demonstrate the impact of their activities and the steps they are taking to reduce their environmental impact.

“There is also a greater demand for accountability, with more clients demanding waste audits and specific information about where waste is taken and how it is being used,” Natarajan said.

Recycling is something that the median person wants. In fact, as Spiegel explained, the number of building and renovation projects that focus on recycling continues to increase.

“Companies would prefer to do something positive with the outputs rather than fill a hole,” Spiegel said.

See C&D MATERIALS, Page 4

# HIGH-SPEED BALER/LOGGER



HEAT & A/C UNIT



3/8 AR400 REPLACEABLE WEAR PLATES



- 20' Charge Box
- Heavy-Duty Knuckle Boom
- Superior Lift and Reach



OVERHEAD CONTROLS

## “WHAT OUR CUSTOMERS SAY”

I must tell you how pleased we are with our new Overbuilt baler. This machine is built heavy duty and the factory has taken into consideration any items needed for daily service. We love the ease of loading the baling chamber and the perfect bales it produces every time. The layout of the cab is perfect and the flexibility to change hydraulic controls is impressive. I have had experience with the other balers and feel that this Overbuilt baler is superior in every aspect. Thanks again for raising the bar on balers for the company; it makes processing tin/vehicles a pleasure.

—Rob Christman

Manager, Pacific Steel & Recycling  
Gillette, WY

Operates 5 OverBuilt Balers

We purchased our OverBuilt Car Crusher new in early 2012. This is the best crusher we have ever owned. The Sales and Service Staff have been great to follow up making sure we have all our filter and maintenance items needed to keep our machine running smoothly and efficiently.

—Doug Butler

Owner, Butler Salvage  
Torrington, WY

#1 SELLING  
CRUSHER!

# HIGH-SPEED CAR CRUSHER



- Largest Opening on the Market
- Advanced Oil Recovery System with Sludge Traps and Large Clean-outs
- State-of-the-Art Automation System
- 400-gallon Fuel Cell and Optional Lockable Auxiliary Fuel Pump
- Optional High-speed Oil Bypass System
- 22' & 24' Crusher Chambers Also Available
- Twin Lid Safety Lock System Engaged from the Ground
- Ground-accessible gang grease stations.

★ THE ONLY TRUE HIGH-SPEED SYSTEM AVAILABLE ★



# OverBuilt

Huron, South Dakota

800-548-6469  
605-352-6469  
www.OverBuilt.com  
sales@overbuilt.com

View our  
USED & NEW

INVENTORY  
ON OUR SITE!

## New York chooses poster contest winners

The New York DEC and the New York Recycles Steering Committee received over 250 entries from creative and inspiring K-12 students who care about the environment.

All winners have their artwork featured in the 2019 New York Recycles calendar. The committee will print 6,500 copies and distribute them across the state to recycling coordinators, educators, community groups and more to help increase awareness and educate people about the importance of waste reduction, recycling and composting.

The New York DEC is currently accepting posters until May 15, 2019. Check out the contest rules and submit a poster with one of the following themes:

- New York Recycles!
- Choose Reuse, Not Single Use!
- Worm Your Way into Composting
- Recycle Right
- Your Dream Green School

For a direct link to the contest rules, view this article on [www.AmericanRecycler.com](http://www.AmericanRecycler.com).

*When the lodge meeting broke up, John confided to a friend. "Mike, I'm in a terrible pickle! I'm strapped for cash and I haven't the slightest idea where I'm going to get it from!"*

*"I'm glad to hear that," answered Mike. "I was afraid you might have an idea you could borrow it from me!"*

# EPA and law enforcement sentence defendants in explosive waste case

The U.S. Environmental Protection Agency (EPA) joined law enforcement partners from the U.S. Attorney's Office for the Western District of Louisiana, the Department of Defense, the U. S. Army, the Department of Transportation, the FBI and the Louisiana State Police in disclosing the sentencing of five defendants for their role in a case involving Explo Systems, Inc., a private company involved in the demilitarization of military munitions. Explo Systems' mismanagement of military munitions resulted in a large detonation at a storage facility in Camp Minden, Louisiana, on October 15, 2012. The explosion damaged buildings in a 4 mile radius, derailed 11 rail cars and was felt up to 35 miles away. In addition, an investigation revealed that Explo Systems had illegally disposed of hazardous waste resulting in over \$38 million dollars of cleanup costs to tax payers.

"Through their reckless mismanagement of waste explosives, the defendants put the safety of an entire town at risk," said EPA Office of Enforcement and Compliance Assurance Assistant Administrator Susan Bodine.

Explo Systems, Inc. is an explosives demilitarization and recycling company, which operated several facilities at Camp Minden, Louisiana, leased from the Louisiana Military Department (LMD). The U.S. Army awarded Explo Systems a contract on March 24, 2010 to dispose of 450,000 155mm artillery propelling charges designated as M119A2 for \$2,902,500. The Army and Explo Systems officials later amended the contract on

March 6, 2012 to dispose of 1,350,000 M6 propellant charges for \$8,617,500. The contract required Explo Systems to properly store and dispose of the demilitarized propellant, which is a solid, granular, explosive material. The contract also required Explo Systems to document the sale of the demilitarized propellant by completing an End User Certificate (EUC). On the EUC, the purchaser of the demilitarized propellant certified the purchase and compliance with applicable federal laws, including the Resource Conservation and Recovery Act.

Defendants, all employed by Explo Systems, conspired from January 2010 to November 2012 to defraud the U.S. by submitting false EUCs to the U.S. Army Joint Munitions Center (JMC). Instead of selling the explosive material as indicated by the false EUCs, the hazardous waste was disposed of in unpermitted facilities, including public landfills, and improperly stored, which resulted in a large explosion and the evacuation of the Town of Doyline. Explo Systems illegally disposed of approximately 47 truckloads of reactive hazardous waste containing explosives to public landfills across Louisiana and Arkansas. Not only did officials at Explo Systems defraud the government about the disposal of the explosive material but they also moved and improperly stored propellant to hide the improper storage from government officials. Lower-level employees were instructed to hide and conceal improperly stored demilitarized propellant and reactive hazardous waste from government officials during inspections. The

total costs paid by the taxpayers to ensure the proper destruction and remediation of the propellant and hazardous waste which EXPLO illegally stored on site exceeded \$38 million.

For their role in a criminal conspiracy that led to the October 2012 explosion at Camp Minden, U.S. District Judge Elizabeth E. Foote presided over hearings and sentenced these five Explo Systems defendants: co-owner David Alan Smith of Winchester, Kentucky; vice president of operations William Terry Wright of Bossier City, Louisiana; director of support technology Charles Ferris Callihan, of Shreveport, Louisiana; demilitarization program manager Kenneth Wayne Lampkin of Haughton, Louisiana; and traffic and inventory control manager Lionel Wayne Koons of Haughton, Louisiana.

Through the work of EPA's Criminal Investigation Division and their state and federal law enforcement partners, including the Defense Criminal Investigative Service (DCIS), the U.S. Army Criminal Investigation Command – Major Procurement Fraud Unit (USACID-MPFU), the U.S. Department of Transportation – Office of Inspector General, the Louisiana Department of Environmental Quality – Criminal Investigations Section, and Troopers from the Louisiana State Police Emergency Services Unit, the defendants were held accountable for their actions which endangered communities, defrauded tax payers, and resulted in multi-million dollar hazardous waste cleanup sites across Louisiana and Arkansas.

# LET'S BUILD | YOUR IDEAL STRUCTURE





To find out how we can help with your structure needs visit or call [www.clearspan.com](http://www.clearspan.com) 1.866.643.1010

**FOR NEARLY 40 YEARS CLEARSPAN**  
has been helping companies maximize profits with superior building solutions



Energy Efficient



Superior Warranties



Expert Project Managers

No Money Down Financing, Terms Up To 7 Yrs and As Low As 5.99% on buildings

**Sourcewell**  
Formerly NAPA

Awarded Contract  
Contract # 030117-CSS

# C&D materials

■Continued from Page 1

“LEED certification efforts also have improved the sustainability development and design of buildings and the increased demand for recycling, but the markets still have tremendous growth potential for many of the materials generated.”

## Challenges Aplenty

There are a myriad of challenges that C&D players face as it relates to recycling. As with all recycling – and construction and demolition is no different – there is an “ease of use” challenge in the industry when you can just toss something in a dumpster and forget about it.

The impact that trash has on the environment, on a landfill and on the planet will be detrimental in the long term if we don’t shift our thinking away from landfill models.

According to Spiegel, the construction and demolition industry faces challenges because of the value of some materials, and then the additional challenge of finding buyers for the commodities that are collected.

“In some spaces, an incomplete puzzle is being put together,” Spiegel said. “We believe that data can help put the puzzle together and improve this market.”

Recycling is a well understood concept but can be difficult to put into practice. Commingled recycle bins are the most common way construction sites collect waste, but this significantly degrades the quality of recyclables. For example, as Natarajan explained, glass gets broken, extra lengths of wood or metal get contaminated with dust, and drywall disintegrates if not stored properly. This prevents construction materials from being reused to their highest potential.

Additionally, each construction site only generates a small amount of a particular material at a time, which makes it difficult for vendors to collect waste in significant quantities unless it is aggregated on site.

“This issue is further aggravated in dense urban areas like New York City, where there is no space onsite to house segregated waste systems or containers for more than a day or two, necessitating vendors to collect waste from multiple sites at a time,” Natarajan said.

Eddy Martinez, marketing director at A List Builders said construction and demolition material and debris recycling is currently a burden on contractors because it costs more, therefore they find that many companies don’t go out of their way to recycle unless it is a requirement.

Cities such as Santa Monica require a deposit from contractors that is only returned after a contractor shows them proof that they sent all debris through a recycling facility before it is sent to the dump.

“This places a burden on the contractor because it is a significant fee depending on the size of the project and is only returned after final inspection is completed,” Martinez said.

Martinez said that the main reasons for not recycling in projects where it is not a requirement are:

- Significantly higher price from regular roll-off dumpster services to comparable recycled roll-off dumpster services

- Shortage of dumpster companies that provide small recyclable dumpsters (most companies only provide 40 yard bins or 5 gallon bins for recycling, no in between sizes)

- Short duration of time allotted with dumpster (most dumpster companies only allow you to keep the dumpster one to two weeks before charging a daily limit, which limits the amount of time the dumpster can be used)

## Key Materials

There are specific materials that are more readily or easily recycled than others. For example, metal – especially steel – can be endlessly recyclable.

“In fact most structural steel is composed of up to 75 percent recycled material,” Natarajan said. “Similarly, concrete can be recycled easily, and its most common use is to be turned into gravel or road material.”

On the other hand, one of the toughest materials to recycle effectively is drywall/gypsum board. This is because of its multiple components, issues in transport, and potential additives (older drywall may contain asbestos and other toxins).

“When using gypsum as a soil amendment, paper, paint and other additives need to be removed and the quality of material assured,” Natarajan said. “Each new construction site gen-

erates about 12 percent of its drywall as waste, so this is a material that needs better solutions.”

As Spiegel further explained, “Metal continues to be the most easily recycled material in the construction and demolition space, and continues to have value in the market.”

In addition, reclaimed wood from older buildings and developments continues to see value in the secondary market, being repurchased ‘as is’ for its character and history, and the feeling it gives the purchaser that they are helping the environment.”

The two main products made from recycled C&D wood are mulch and compost, or biomass. For C&D biomass, the U.S. Environmental Protec-

See C&D MATERIALS, Page 6

## Events Calendar

### February 24th-27th

**The 32nd Southeast Recycling Conference & Tradeshow (SERC).** Rosen Centre Hotel, Orlando, Florida. 800-441-7949  
www.southeastrecyclingtradeshow.com

### February 25th-28th

**SWANApalooza 2019.** Hynes Convention Center, Boston, Massachusetts. 800-467-9262 | www.swana.org

### March 9th-12th

**CDRA 2019.** New York Marriott at the Brooklyn Bridge, Brooklyn, New York. 866-758-4721 | www.cdrecycling.org

### March 11th-14th

**Association of Plastic Recyclers Membership Meeting.** Gaylord Resort and Convention Center, National Harbor, Maryland. 202-316-3046 | www.plasticsrecycling.org

### March 20th-21st

**Northeast Recycling Council Spring Workshop.** Chase Center, Wilmington, Delaware. 802-254-3636 | www.nerc.org

### April 1st-2nd

**North American Waste-to-Energy Conference (NAWTEC).** Hyatt Regency, Reston, Virginia. 888-744-1449 | www.swana.org

### April 1st-3rd

**Aluminum Association Spring Meeting, Belmont Hotel.** Charleston, South Carolina. 703-358-2960 | www.aluminum.org

### April 8th-11th

**ISRI Convention & Exposition.** Los Angeles Convention Center, Los Angeles, California. 202-662-8500 | www.isri2019.org

### April 11th-13th

**United Recycler’s Group.** Hyatt Regency Grand Cypress, Orlando, Florida. 888-874-3463 | www.u-r-g.com

### May 6th-9th

**AISTech 2019.** David L. Lawrence Convention Center, Pittsburgh, Pennsylvania. 724-814-3000 | www.aist.org

### May 6th-9th

**WasteExpo.** Los Angeles Convention Center, Los Angeles, California. 203-358-4384 | www.wasteexpo.com

**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

**American Recycler**

NewsVoice of Salvage, Waste and Recycling

877-777-0043 Fax 419-931-0740

Owner, Publisher and Editor

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

Production and Layout

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

Editorial Focus Section  
Production and Layout

**LINDSAY BROWN**  
lindsay@AmericanRecycler.com

Marketing Representatives

**MARY M. COX**  
maryc@AmericanRecycler.com  
**MARY E. HILL**  
mary@AmericanRecycler.com

Circulation Manager

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

Writers and Contributors

**DONNA CURRIE**  
dcurrie@AmericanRecycler.com  
**MARK HENRICKS**  
mhenricks@AmericanRecycler.com  
**MAURA KELLER**  
mkeller@AmericanRecycler.com  
**RON STURGEON**  
rons@rdsinvestments.com

Production Offices

6546 Weatherfield Court, Ste C-2  
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 2019 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.

# Virginia Recycling Association recognizes successful programs



The Virginia Recycling Association (VRA) honored several exemplary waste reduction and recycling programs.

Awards were given in three categories:

- Show Me the Way – how do you explain recycling to your customers?
- Lemonade – how have you made something wonderful from a bad situation?
- Best in Show – how has your program made a difference in your community?

This year's award winners, selected from 14 applications, represented a diverse group of recycling advocates in Virginia from local government to a non-profit organization and an educational institution.

Show Me the Way award winner, Virginia Aquarium & Marine Science Center in Virginia Beach won for its "In Our Hands" campaign to significantly reduce the use of single use plastics. As a part of this 18 aquarium partnership campaign to reduce plastic pollution and the harm it causes to waterways and marine life, the Virginia Aquarium has eliminated the provision of plastic bags in its retail operation and is eliminating the use of single use cups, straws and beverage bottles in its food service operation. Notably, the aquarium retail store stocks reusable cups with straws and reusable straws. More information about this movement can be found at [www.ourhands.org](http://www.ourhands.org).

The University of Richmond "Big Yard Sale" was the winner of the VRA's Lemonade Award. Every year, thousands of pounds of furniture, clothing, school supplies, and non-perishable food items are left behind at the end of each spring semester. Rather than send these items to the landfill, for the past 21 years, the University of Richmond Office of Sustainability teams up with the local Sierra Club and Goodwill to collect and sell items left by students at an event called the "Big Yard Sale." Proceeds from the sale are split

between the Sierra Club and student sustainability groups at the University of Richmond. Any items left at the end of the sale are donated to Goodwill.

This program is no small time lemonade stand. More than 1,000 people from the community came to shop at the May 2018 sale. While so many thousands of unwanted items could create a tremendous amount of waste each year – more than 12 tons were diverted from the landfill in 2018. The "Big Yard Sale" has its own Facebook page and information about other University of Richmond (UR) sustainability efforts can be found on UR's website, search under "sustainability."

Like the other winners, the Best in Show award was earned by a program that partners with others to make a big impact. Spotsylvania Environmental Education Development's (SEED) "Clean Up & Cash In" program is a partnership between Spotsylvania County and Spotsylvania County Schools to help student clubs and teams earn funds to help offset cost of uniforms, fees and supplies needed for activities.

The "Clean Up & Cash In" program requires groups to pick up roadside litter and separate the recyclables. It also provides awareness to students and families about litter prevention, recycling and the impact litter has on the community.

Groups earned \$5.00 per bag of roadside litter/recyclables and at an end of school year Winner's Recognition event, an additional cash prize was awarded to the top three groups filling the most bags.

The Virginia Recycling Association is proud to spotlight these creative, yet



# Warren and Detroit receive grants to fund curbside carts

The Department of Environmental Quality (DEQ) officials announced \$575,000 will be awarded to the cities of Warren and Detroit to support the purchase of curbside recycling carts through the 2018 DEQ Recycling Infrastructure Grant program.

The 2018 Recycling Infrastructure Grant assists communities with improving recycling collection infrastructure; this initiative is a part of Governor Rick Snyder's ongoing commitment to increase recycling in Michigan.

The city of Warren will receive \$500,000 to support the purchase of 25,000 recycling carts, and the city of Detroit will receive \$75,000 to support the purchase of 7,000 recycling carts.

Grant funds were matched at a rate of over 130 percent and represent a total cart infrastructure investment of more than \$1.3 million.

This investment will result in increased recovery of recyclable material, growth in resident participation and the opportunity for recycling education in both cities.

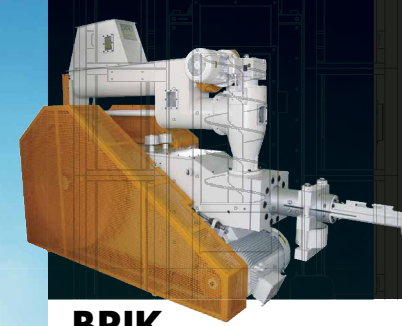
Even with recent recycling market disruptions, the majority of Michigan communities are recognizing the many benefits recycling provides and are not only staying the course to maintain recycling programs, but are further investing resources toward improved services for their residents.

## Turn your waste into revenue

At CPM Di Più, we're helping our customers turn millions of tons of industrial waste and metal swarf into millions of dollars of new revenue streams—**not to mention saving the planet.**

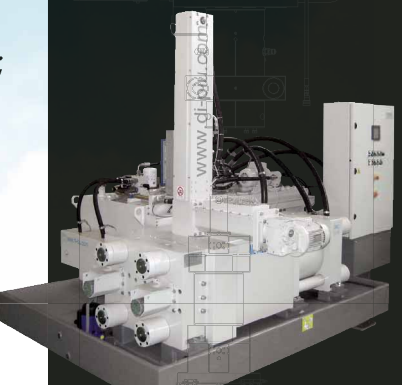
Whether it's recovering metal and wood waste from industrial production; reducing volume, transport, and storage costs; or simply recycling waste into energy, with CPM Di Più, you get a powerhouse of briquetting technology.

CPM Di Più customers have access to our complete and combined solutions, our world-class equipment, and our enviable aftermarket support.




**BRIK Series**

Our Mechanical (MB) machines use low energy and are designed for applications in biomass, plastics, agricultural waste, and more.



**METALBRIK Series**

Our Hydraulic (HB) presses are designed for metal waste densification.



For more information, visit [cpm.net](http://cpm.net) or call 1-800-428-0846

**U SYSTEMS**  
In Productivity

wfordsville, IN 47933 - USA

**DADE Auctions | 844-222-2020**



**2009 3E Primary Tire Shredder.** Shreds OTR tires with 3" bead. 2" double stacked knives. \$145,000



**Harris 500-ton Shear Logger Baler.** Excellent operating condition. Includes oscillating discharge, take-away, picking and radial stacking conveyors. \$95,000

# Bandit completes ownership transition

Bandit Industries finalized its transition to a 100 percent ESOP (employee stock ownership plan) company on November 1.

Former owners Mike Morey Sr., Dianne Morey and Jerry Morey announced their intention to sell the company in an ESOP over the summer of 2018, a move that was celebrated by Bandit's employees and customers. It ensures the successful corporate culture at Bandit will remain intact.

The ownership transition won't impact the day-to-day management of

the company. The management team that has been guiding Bandit for the last several years will remain in place under the ESOP.

In addition to growing in capacity, Bandit has also been expanding its worldwide dealer network and customer base, growing in virtually every market share. Bandit recently announced a joint venture with German company ARJES GmbH, a producer of slow-speed shredders and crushers, expanding into a new market.

## C&D materials

■Continued from Page 4

tion Agency has recognized it as a legitimate fuel that is clean enough to be exempted from its Non-Hazardous Secondary Materials rule.

And according to the Asphalt Pavement Alliance, reclaimed asphalt pavement (RAP) can be recycled again and again; it never loses its value. It is estimated that recycling of asphalt pavements saves the American taxpayer more than \$2.5 billion per year. It also saves thousands of acre-feet of landfill space each year.

Because of the challenges that emerge within the C&D recycling industry, regulations are necessary. "The market has not driven the C&D industry to meet the required recycling benchmarks, so the more proactive the industry is, the less regulated it will be," Natarajan said. "Some global construction companies and businesses are required to report their waste and track their carbon/GHG impact of waste because they operate in areas of Europe where this is mandated. Most organizations do not track waste to the level that has consistently driven improvements in C&D – thus the regulations."

Cities around the country have made a commitment to the Paris Climate Accord, which are reflected in their climate action plans and legislative agendas. Overall, Natarajan said the C&D industry should be prepared to respond to laws designed to increase recycling rates, improve recycling efficiency, and divert materials from landfills.

"For example, Jared Polis, state governor of Colorado wants to make Colorado a recycling hub for the Rocky Mountain region,' and has prescribed several recycling focused initiatives. Initiatives like those will be reflected in new laws," Natarajan said.

Experts agree that there will be increased regulation pushing for waste separation, which is the most effective way to use recyclables at their highest value and salvage more materials to be reused rather than downcycled.

"As more cities and governments build waste separation into regulations, more waste can be rescued and

there will be lesser need to for virgin materials," Natarajan said.

### On the Horizon

Spiegel said that many of the general contractors out there want to be environmentally friendly and want to work within recycling needs of communities. "In 2019, they will continue to look for alternative outlets for their metal, wood waste, cardboard, brick, drywall and concrete to try and fit into a circular economy model, and that's exciting to be a leader in these efforts," Spiegel said.

Landfill costs are continuing to rise over 2017 levels and that trend will only increase in 2019. That's why Spiegel said the construction and demolition industry will need to be creative in finding recycling solutions to not only stay ahead of landfill costs, but serve as good corporate citizens and map to new demands for sustainable and environmentally friendly recycling solutions.

"The last thing construction companies and contractors want is to explain to a developer why they chose to not do the right thing for the environment," Spiegel said. "2019 will continue to show the value put on doing the right thing continues to skyrocket. Nobody wants a black eye because they still believe in doing things the same way as 30 and 40 years ago."

Natarajan said C&D companies should be ready for increased public scrutiny. "The recycling trade issues with China and some high profile recycling fraud cases have heightened interest in the industry and bring added accountability," Natarajan said.

There also will be a spike in remodeling projects as the real estate industry adapts to high competition for development sites and investments and the job market stays strong in key markets.

"As a result, waste-to-energy will become more efficient and effective, along with higher standards for emissions from incineration systems," Natarajan said. "There will be more facilities that will combine composting and biogas, helping to generate clean energy as well as improving soils."

**FINANCING AVAILABLE!**  
[www.DADECapital.com](http://www.DADECapital.com)

## Auto parts manufacturer fined for sales of pollution control bypass products

The U.S. Environmental Protection Agency (EPA) announced Gilbert, Arizona based Vivid Distributing will pay a \$200,000 penalty for violating the Clean Air Act. EPA alleges the company installed, manufactured and sold auto parts known as defeat devices, which bypass or render inoperative required emissions control systems.

Between 2014 and 2016, Vivid Distributing sold 443 aftermarket products designed to defeat the emissions control systems of cars and trucks. These systems increase emissions of harmful pollutants, including nitrogen oxide (NOx), which is associated with health problems, including heart and lung ailments like chronic bronchitis and asthma.

Cars and trucks manufactured today emit far less pollution than older vehicles. This is made possible through careful engine calibrations and the use of filters and catalytic converters in the exhaust system. Aftermarket defeat devices bypass these controls and cause vehicles to emit higher levels of emissions. EPA testing has shown that defeat devices can increase a vehicle's NOx emissions substantially.

The EPA also announced it has reached similar agreements with three Southern California companies for selling pollution control bypass equipment.

## NJ DEP names environmental winners

The winners of the 19th Annual Governor's Environmental Excellence Awards were honored for various areas of environmental stewardship, from protecting water quality to improving access to electric vehicle charging stations and preserving natural resources, New Jersey Department of Environmental Protection Commissioner Catherine R. McCabe announced.

Among the honorees recognized were an urban group that promotes use of electric vehicles and has put charging stations in publicly accessible parking spots; an environmental organization that works with partner agencies to restore water quality and reduce flooding in highly developed areas of the Barnegat Bay Watershed; and a group that provides nonprofits with leftover office supplies and furniture from companies downsizing their space, instead of sending the items to landfills.

The DEP received 50 applications for this year's awards. A panel of judges reviewed and scored the nominations.

Winners include:

### Richard J. Sullivan Award

Candace McKee Ashmun received the inaugural award for her more than six decades of service to environmental protection and conservation throughout New Jersey. Among her many accomplishments, Ashmun is a founding member of the Pinelands Commission

established in 1979 and served as a trustee for both the Coalition for Affordable Housing and the Environment and the Highlands Coalition. She served as board vice chair of the Fund for New Jersey and served on the State Planning Commission. She also served as executive director and was a three term president of the Association of New Jersey Environmental Commissions, which she helped establish.

### Healthy & Sustainable Businesses

Pioneers, Chapter 99 and Ericsson: The Pioneers group partnered with telecommunications company Ericsson this year for a furniture giveaway that donated 110 tons of office furniture destined for landfills to 55 nonprofit agencies instead. The sustainability initiative was developed in 2013 by two women who believed downsizing companies could save office supplies and furniture for donation to organizations in need. The idea grew from a time when Ericsson and iconectiv, another telecommunications firm, each changed their workplaces to an open-space environment, eliminating the need for walls, file cabinets and desks with drawers.

### Healthy & Sustainable Communities

Sustainable Downbeach and Surfrider Foundation, South Jersey Chapter: Sustainable Downbeach and the South Jersey Chapter of the

Surfrider Foundation partnered with residents, officials and organizations in Atlantic City, Longport, Margate and Ventnor to raise awareness of plastic marine litter and help ensure long-term protection of New Jersey's coastline and marine life. Their efforts included passage of a fee on single use bags in the City of Ventnor and a single use plastic ban in Atlantic County parks. Longport in 2015 approved a bag fee ordinance because of the partnership, and Brigantine is working with the groups to help pass an ordinance banning plastic bag use there. The group was integral in the 2017 passage of an ordinance banning intentional balloon releases in Atlantic City, Longport, Margate and Ventnor, and has petitioned the state for legislation on the matter.

Raritan Valley Community College in Branchburg, Somerset County, received a Certificate of Recognition for its performance in the annual New Jersey Charging Challenge. The school installed two dual-port Level 2 charging stations in its primary parking lot. College staff also conducted outreach activities related to the new charging stations, circulating emails about the stations to all students and employees, and posting information about electric vehicles at the college's website for campus transportation services.

*Our family took shelter in the basement after hearing a tornado warning. My husband told everyone to stay put while he got his cell phone out of the car, in case the lines went dead. He didn't return for the longest time, so I went looking for*

*him. I was upstairs calling his name, when I heard our answering machine click on.*

*"Hi," a voice said. "This is Dad. I'm locked out of the house."*



**CELEBRATING  
TEN YEARS OF  
EXCELLENCE**

**MAKE 2019 YOUR BEST YEAR YET**



#### 24V BATTERY MAGNETS (ESB)

- Low Cost
- No Generator Needed
- Easy Install
- Sizes Available From 26" - 48"

#### GRANULATORS

- Granulate Copper or Aluminum Wire
- Maximize Wire Profits
- Systems from 250 to 2600 LB/HR
- 99% Clean Wire Chops

#### GRAPPLES

- Orange Peel Grapples Come With or Without Magnet
- HARDOX Steel Built
- Two-Year Warranty

#### ESM 230V MAGNET & GENERATOR

- Proven Technology
- Self Diagnosing Controller
- Variable Power Settings
- Easy Installation

#### TIRE KING XL

- Wheel/Tire Separation Under 20 Seconds
- Processes Up to 22" Steel Aluminum Rims
- Safe for Operators

PAPER

# Municipalities form partnership for beverage cup recycling efforts

Recycling will increase as approximately two million U.S. residents can now recycle hot and cold paper beverage cups, thanks to a partnership with the Foodservice Packaging Institute (FPI).

By adding paper cups to its list of acceptable items for recycling, the city of Denver became the fourth FPI Community Partner – after Washington, DC, Chattanooga, Tennessee and Louisville, Kentucky. These four recycling programs have joined the ranks of leading U.S. programs like New York City, Seattle and San Francisco, where paper cups are also accepted for recycling.

“We spent five years researching real and perceived barriers to recycling real and perceived barriers to recycling foodservice packaging before launching our FPI Community Partner program last year,” said Lynn Dyer, president of FPI. “Our approach relies on strong end markets partnering with recycling processors and communities educating their residents to ensure these materials are recycled properly.”

Cities are selected by their location in relation to viable end markets and material recovery facilities (known as MRFs) that have the desire and capacity to recycle foodservice packaging items. The opportunities continue to grow, with 16 paper mills in the U.S. and Canada accepting poly-coated paper cups as part of commodity bales such as mixed paper or aseptic cartons.



Representatives from FPI, Alpine Waste & Recycling, Denver Public Works, and Sustana cut the ribbon between two purple recycling carts to symbolize Denver's acceptance of paper cups for recycling.

In Denver, the recycled cups are destined for Sustana's Fox River Fiber facility. The paper mill produces approximately 450 tons of de-inked recycled pulp per day and receives about 1.3 million pounds of post-consumer paper daily from its suppliers.

“There is valuable fiber in this material that can be used for other products,” said Jay Hunsberger, vice president of sales and marketing at Sustana. “This opportunity allows us to expand feedstock for paper cups.”

Enthusiastic MRFs are critical to the success of the FPI Community Partner program. Denver based Alpine Waste & Recycling processes over 30,000 tons of recyclables for the city each year. Alpine sought to grow the

quantity of carton bales it produces by adding other poly-coated feedstock. Paper cups were a logical choice.

More than a year after the launch, the original FPI Community Partner cities are evaluating how their programs have changed. All three cities reported increased recycling overall, decreases in residue, and stronger relationships with local MRFs and end markets.

New Community Partner Denver views adding paper cups as an opportunity to draw attention to its recycling program, which already accepts plastic containers and cups. The city has a goal of increasing its recycling rate to 34 percent, the national average, as outlined in Mayor Michael B. Hancock's 2020 Sustainability Goals.

## PSI launches 2019 Scholarships

The Paper Stock Industries (PSI) Chapter has officially kicked off its 2019 academic scholarship program, with plans to give \$2,000 scholarships to eight students next year, matching its 2018 record.

The PSI scholarship program provides funds to select students who are dependents of employees in the recycling divisions of PSI Chapter member companies. Interested students now can review the 2019 scholarship requirements and access the new application here. The deadline for applications is March 31, 2019, and winners will be announced June 1.

“For more than 20 years, PSI Chapter scholarships have helped qualified students pursue higher education and achieve their academic dreams,” said PSI Scholarship Committee Chair Nini Krever of Wilmington Paper Corp. “These scholarships can change lives, and PSI is thrilled to be able to offer eight scholarships again next year.”

PSI supports its scholarship program through raffles, donations, and an annual fundraising bowling tournament, held in conjunction with the Paper & Plastics Recycling Conference North America.

For additional information on PSI's Scholarship Program, view this article on [www.AmericanRecycler.com](http://www.AmericanRecycler.com).

## Separation Solutions Engineered for Tonnage

### VIBRA-SNAP® Screen



The **VIBRA-SNAP® Screen** is an effective alternative to rigid screening systems for processing materials with inherent blinding characteristics and is ideally suited for efficient screening of moist, sticky, fibrous, wet bulk materials with a high percentage of fines or near size particles.



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

[sales@actionconveyors.com](mailto:sales@actionconveyors.com) | 503.537.1111

PORTABLE SHEAR / BALER / LOGGERS

- SHEAR / BALER / LOGGERS
- TWO-RAM BALERS
- PORTABLE BALER / LOGGERS
- MACPRESSE SINGLE-RAM BALERS
- MATERIAL HANDLERS
- CONVEYORS

**PROVEN PRODUCTION & VERSATILITY**

SIERRAINTL.COM • 800.343.8503



# PAPER

## AF&PA releases paper reports

The American Forest & Paper Association released its October U.S. paper reports.

### Containerboard

Containerboard production was up 0.5 percent compared to October 2017 and up 1.8 percent year-to-date.

The month-over-month average daily production compared to September 2018 was 1.5 percent lower.

The containerboard operating rate was 96.2 percent, 1.6 percentage points lower than the same month last year.

Production for export decreased 13.3 percent from September 2018 after three consecutive increases but was still up 1.0 percent year-to-date.

### Printing-Writing Paper Report

According to the October 2018 Printing-Writing Monthly report from the American Forest & Paper Association, total printing-writing paper shipments decreased four percent in October compared to October 2017. Total printing-writing paper inventory levels decreased two percent from September. Imports of printing-writing papers in September increased four percent compared to September 2017 imports, while exports declined 27 percent compared to September 2017.

•Inventory of uncoated free sheet (UFS) paper decreased four percent in October from September, down to the lowest inventory level in at least seven years. Shipments declined two percent year-over-year in October. Exports of UFS papers decreased 43 percent in September compared to September 2017, the largest decrease in at least six years.

•Shipments of coated mechanical (CM) papers decreased by more than 10 percent year-over-year for the eighth time in 2018. Imports of CM increased

seven percent year-over-year in September.

•U.S. purchases of coated free sheet (CFS) paper in October increased for the first time since June 2017. Meanwhile, U.S. purchases of uncoated mechanical (UM) papers decreased ten percent year-over-year in October.

September imports of CFS papers increased 17 percent compared to September 2017, while imports of UM papers decreased three percent compared to last September.

### Boxboard Report

Total boxboard monthly production decreased 3.9 percent when compared to October 2017 but increased 0.7 percent from September. The total boxboard operating rate was 95.4 percent for October.

Total Solid Bleached Boxboard & Liner production was up 2.7 percent year to date; Recycled Boxboard production declined 2.5 percent year to date; and Unbleached Kraft & Gypsum rose 2.3 percent year to date.

### U.S. Packaging Papers & Specialty Packaging

Total Packaging Papers shipments were up 7.2 percent compared to October 2017 and up 3.1 percent year-to-date.

Bag & Sack shipments were up 6.0 percent year-to-date; Multiwall shipments were up 0.9 percent; Converting shipments were up 0.7 percent; and Food Wrapping shipments were up 2.5 percent.

The operating rate for October remained essentially flat at 95.6 percent compared to 95.9 percent in September. Inventories dropped 1.2 percent since September and were 5.3 percent lower than the same month last year.

## INDUSTRY PROFILE

# A Closer Look

by Donna Currie

## James G. Murphy Co. Ray Gombiski • 425-486-1246

In 1970, James G. Murphy opened a little auction house in Washington state and “grew the company quite quickly through the late to mid-1980s,” according to Ray Gombiski, the company’s marketing director. James Murphy’s son, Tim, joined the business at about that time, and he is currently the company’s president.

That’s not the end of the family involvement. Tim’s sister, Julie, is chief financial officer and Tim’s son Colin has also joined the company and is now a vice president. Being related is not a guarantee of promotion, though. “Nothing comes easy,” Gombiski said. “When I started here, Colin was in the mud, setting up auctions with the rest of the crew.” Colin started at the bottom and he had to work his way up.

“We cut our teeth with small businesses and restaurants,” Gombiski said, but they have expanded over the years to include large businesses, banks, auto and truck fleets, government agencies and more.

The company has grown to include auction sites in Washington State, Oregon and Hawaii. They also conduct auctions all over the country at customer locations. The James G. Murphy Co. is one of the top 10 industrial auction houses in the country, and in 2001, James was inducted into the National Auctioneer’s Hall of Fame.

Gombiski actually became involved in the business because of an auction. He had been working for a boat dealership that had its assets seized during the economic downturn. Gombiski was contracted to liquidate those assets, and met the auction crew. “They liked me; they liked my personality,” he said, and he was offered a job. “They got me in an auction,” he joked.

The array of industries, individuals and items the company has auctioned is mind boggling, from meat packing plants to sawmills to trusts. Gombiski described it as “a pretty healthy mix.”

Every three years, the company handles an auction for the Department of Revenue where everything from collectible currency to artwork is auctioned off. A recent item sold at auction was a Picasso sketchbook.

The auction house had a little brush with fame when they conducted an auction following the bankruptcy of Michael Mastro, who was featured on the television show American Greed. At the time, that was the biggest bankruptcy case in the U.S. and the auction included everything from a chandelier that sold for over \$40,000 to all of Mastro’s suits.

Gombiski said that the variety is what keeps him interested in the business. One day he might be operating a slide show at an industrial plant, and the next he might be advertising an auction that will take place in Hawaii.

Since they do so many specialized auctions, he needs to target customers in specific industries who will be most interested in the equipment, so he scours their own mailing lists, he buys relevant lists, and he pores over media to find buyers, so the sellers will get the most they can.

While he looks for buyers who will use the equipment, “we have scrappers at every auction,” who will take machinery and products that have no usable value. “The floor price is scrap value,” Gombiski said, and since there are no minimums and no reserve prices, 99.9 percent of everything is sold. “When we walk out, the building is going to be broom-swept and ready to rent.”

While the goal is to sell everything, Gombiski also enjoys going into plants and “understanding how they work.” When he sees a machine, he likes to understand how it functions, just because he’s curious. One day he might be examining a meat cutting machine and the next day it might be a CNC milling machine.

Since he started with the company, the biggest change Gombiski has seen is the way that the company has embraced digital technology. Years ago, an auction might have 300 pictures on the website, but now there would be 5,000 for a similar auction, giving the potential buyers a better look at the products. The company also has a good following on Facebook as well as eblast emails that tell buyers about new auctions, bringing in more people who are interested in buying.

About 2 1/2 years ago, the company started doing online only auctions for some of its clients, and now those are about 50 percent of the auction. Selling online benefits both the buyer and the seller, since a team doesn’t need to be at the auction site, and sellers don’t have to go to distant actions and wait for one item of interest to be sold.

One thing that hasn’t changed is the company’s dedication to the community. James Murphy was “a bit of a philanthropist,” and he was particularly invested in helping the homeless. The company still sponsors golf tournaments dedicated to that cause.

From its modest beginnings, the company has seen some impressive growth, but Gombiski didn’t want to speculate too much about the future. However, he was confident that, “Murphy isn’t going anywhere. The roadmap has been laid out.”

*For the best free exposure possible, participate in this feature favorite!*

## AR EQUIPMENT SPOTLIGHT

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

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

American Recycler is not responsible for non-inclusion of manufacturers and their equipment. Manufacturers are to contact American Recycler to ensure their company is listed in the Equipment Spotlight.

### UPCOMING TOPICS

- FEB Compactors
- MAR Shredders
- APR Attachments
- MAY Fleet Management Software

## PLASTICS

### PET recycling increases in tough 2017 market

The National Association for PET Container Resources (NAPCOR) and The Association of Plastic Recyclers (APR) announced the release of the Report on Postconsumer PET Container Recycling Activity in 2017. The report cites a 2017 U.S. recycling rate of 29.2 percent for polyethylene terephthalate (PET) plastic bottles, reflecting a slight increase over the 2016 rate of 28.4 percent. The rate increase reflected decreases in both total collection volumes and volume of PET bottles available for recycling in the U.S.

“Demand for RPET continues to be healthy, and we have capacity and infrastructure to meet those needs,” said Tom Busard, NAPCOR chairman, chief procurement officer for Plastipak Packaging, Inc., and president of Clean Tech, Plastipak’s recycling affiliate. “However, we have more work to do to improve the quality and volume of PET that goes to our reclaimers.”

The recycling rate is derived by using the total volume of recycled PET material purchased by both U.S. proces-

sors (reclaimers) and export markets in 2017 – 1,726 million pounds – taken as a percentage of the total volume of PET resin used in U.S. bottles and potentially available for recycling, 5,913 million pounds. Of that 1,726 million pounds collected, 1,442 million pounds was purchased and processed by domestic PET reclaimers, with the balance of collected material, 283 million pounds, sold to export markets, including Canada.

Export volumes continued to see a decline, with 2017 being the lowest export fraction recorded since 2004 at only 16 percent of total collection. The domestic market readily absorbed the bottles not exported; total postconsumer bottles recycled and used by reclaimers was supported by strong domestic demand for the material.

“The key to continued growth in the PET recycling industry is increased demand for RPET by end users, and designing bottles for recyclability. Increased utilization of RPET provides the connection to meeting ‘Circular Economy’ sustainability goals

announced by many consumer brands,” said Steve Alexander, APR president. “Despite challenges with increased contamination and demand markets, the RPET industry continues to demonstrate its strength in terms of consistent domestic material purchases, and investment in enhanced processing capacity. The industry is superbly situated to work with all segments of the demand market to meet their sustainability challenges.”

In terms of RPET used in U.S. and Canadian end market applications, total volumes increased by over 5 percent to 1,574 million pounds in 2017. Fiber, sheet and thermoforms, along with the strapping market all showed growth over 2016, while RPET use in bottles saw a reduction in total pounds.

Both NAPCOR and the APR continue to work to address the industry’s ongoing challenges, with particular focus on improving quality of PET from the waste stream, reducing non-PET contamination in recycling streams, and building awareness at both industry and consumer levels of the importance of recycling PET.

This is the 13th year that NAPCOR and APR have partnered to produce this report and the 23rd year that it’s been issued by NAPCOR in its current format.

For a direct link to the full report, view this article on [www.AmericanRecycler.com](http://www.AmericanRecycler.com).

### Garnier donates hardscapes

Garnier, a naturally inspired skin-care and haircare brand, announced that Winston-Salem State University received a Garnier Green Garden made from recycled beauty and personal care products for the Winston-Salem community. University student Miranda Legg was named the winner of Garnier national Rinse, Recycle, Repeat campaign, created in partnership with TerraCycle and DoSomething.org.

Launched in March 2018, the goal of Rinse, Recycle, Repeat was to convey the importance of recycling beauty and personal care waste containers. From the competition, over 20,000 beauty and personal care containers were collected.

Legg competed against entrants from 49 other schools throughout the month of April. As a result of her efforts, a new Garnier Green Garden was donated to Simon’s Green Acre Community Garden, located in Winston-Salem, North Carolina. The revamped garden includes raised beds, picnic tables, park benches and waste receptacles.

In addition to the Simon’s installation, Garnier has donated 11 other Garnier Green Gardens throughout the country. These gardens have engaged hundreds of thousands of individuals in the surrounding communities and many of them grow fruit and vegetables for local schools in impoverished areas where children do not have access to nutritional lunches.

## SALVAGING Millions

by Ron Sturgeon  
Autosalvageconsultant.com

### On your mark, get ready, don't go!

The first article in this series listed more than 25 tactics to increase your business success, all of them based on my experience. I started with nothing and didn’t attend college, so I know you can achieve maximum success, regardless of your education.

I get a few calls a month from people saying, “I want to be an entrepreneur, and this is my business idea.”

My investor friends tell me that the world is full of great ideas, and the world is awash with money to fund them. There are very few people that can connect the ideas and the money and find success. Actually, it’s by far and away the most important ingredient, being able to make things happen and connect the dots.

Now back to that budding entrepreneur. Just the thought of being an entrepreneur is exciting. And it’s reasonably easy to come up with an idea for a business, or copy someone else’s. But in most cases, the person I’m talking to is woefully unprepared. Usually they are looking for an investment, and excited to share their idea. How do I know they are unprepared? I asked them to define their customer. I usually get a blank stare or a lame attempt to answer. I ask them for their business plan. How many widgets? Price? Expenses? Just a simple P&L for the first two years. How about a marketing

plan? A distribution plan? How much money will they need? Now some of these items may indeed require help to create, and I encourage everyone to find a consultant to help backfill their weaknesses. I always use a consultant before I start a business.

The moral to the story is that if you want to be an entrepreneur, spend your energy getting the skills you need to have even a shot at being successful. If you went to college, great, you learned some things, but likely need much more. Read – a lot! Your speed and volume will depend on how much you want it. A book a month will get you pretty prepared in a few years. Twenty four books, on leadership, marketing, business plans, sales, finance, metrics, and getting loans, to name just a few of the topics. Look at best sellers in these categories, you will be close. I think it’s more about marketing than most things, but that’s just me. Good products die all the time with bad marketing, mediocre products make it with good marketing.

Good luck, I know you can do it if you want to.

If you can’t get through 24 books at least, then your odds of success are lowered dramatically. I’m over 60 years old and still read and learn every day.

**Remember, only you can make BUSINESS GREAT!**

*This article was provided by [autosalvageconsultant.com](http://autosalvageconsultant.com), which was formed in 2001 by recyclers for recyclers, to help them improve their businesses.*

## DUST AND ODOR CONTROLLER



GAS, DIESEL & ELECTRIC MODELS

**GET CONTROL (716) 592-2700 • BuffaloTurbine.com**



# AUTOMOTIVE

## IAA opens Michigan branch



Insurance Auto Auctions, Inc. (IAA), a business unit of KAR Auction Services has opened a new facility in Flint, Michigan. The new branch is IAA's third strategic location serving the northern Midwest market of Michigan. The site boasts a new state-of-the-art facility and its 18 acres allow for future expansion.

"The new facility will help us continue to offer our best-in-class customer

service and auction experience to our clients in east central Michigan," said John Kett, chief executive officer and president of IAA.

The new IAA facility in Flint replaces the IAA Great Lakes facility in Bay City, Michigan. IAA Flint will host auctions on Tuesdays, with preview days held every Monday.

## KAR to extend international footprint with acquisition

KAR Auction Services, Inc., a global automotive remarketing and technology services company, has reached a definitive agreement to acquire Belgium-based CarsOnTheWeb (COTW). The potential transaction is valued at approximately 91 million euros in cash and up to an additional 65 million euros over a specified period of time contingent on certain terms, conditions and COTW performance. The companies expect to close the transaction the first quarter of 2019 subject to certain required regulatory approvals.

COTW is an online auction company serving the wholesale vehicle sector in Continental Europe that seamlessly connects OEMs, fleet owners, wholesalers and dealers. When completed, the acquisition will advance KAR's international strategy and extend its strong North American and UK-based portfolio of physical, online and digital auction marketplaces. KAR also intends to leverage COTW to deploy the company's technology, data analytics and

other ancillary service capabilities across Europe.

With sales operations in Belgium, France, Germany, Italy, the Netherlands and Spain, COTW provides sellers in these countries and buyers in over 50 countries with a wide range of vehicle auction, transportation and related support services. The company's online and mobile tools are available in 19 languages and deliver real-time search, bid, payment and logistics scheduling functionality. COTW also provides comprehensive, VAT-compliant payment, document transfer and post-sale processes supporting the 97 percent of customer transactions that involve cross-border sales.

After the transaction closes, KAR intends to retain COTW's current operating locations, employees and key COTW leadership and management team members. This includes Johan Meyssen, chief executive officer of COTW, who will report directly to Benjamin Skuy.

## Study confirms autos with AHSS steel have lower GHG emissions than aluminum

The use of advanced high strength steel (AHSS) for large scale automotive fleet lightweighting results in an immediate and sustained decrease in greenhouse gas (GHG) emissions associated with production and use of the affected vehicle fleet, whereas the use of aluminum for lightweighting the same fleet results in an increase in overall GHG emissions lasting for several decades according to a study released by the Steel Market Development Institute (SMDI). SMDI is a business unit of the American Iron and Steel Institute.

The study compares a wide range of lightweighting scenarios and, in each case, the use of aluminum would increase overall GHG emissions for many years – offsetting any fleetwide life cycle benefits during the same time period.

Dr. Jody Hall, vice president, automotive market, at SMDI, said, "The study demonstrates that lightweighting vehicle body and closure panels with AHSS immediately decreases overall GHG emissions in the production of the steel for the car and the emissions generated during driving. This study differs from some previous studies in that it takes into account the timing of the

GHG emissions, which is a critical consideration in the full life cycle performance of vehicles."

Based on study findings, Mark Thimons, vice president, sustainability, for SMDI, noted, "When compared to lightweighting with aluminum, lightweighting an equivalent fleet with AHSS instead results in cumulative net savings of more than 300 million metric tons of GHG emissions by 2038 – the equivalent of the emissions resulting from combustion of 45 billion gallons of gasoline. By 2053, an additional 100 million metric tons would be saved – totaling more than 400 million metric tons of GHG emissions savings."

The study incorporated the full life cycle consequences of material selection decisions, including changes in steel and aluminum production, volume of scrap produced and recycled, and use-phase emissions. It augments a 2017 peer-reviewed study from the Steel Recycling Institute (SRI), "Life Cycle Greenhouse Gas and Energy Study of Automotive Lightweighting."

More information on the studies can be found at [www.steelsustainability.org](http://www.steelsustainability.org), in addition to information on steel's sustainability and other environmental benefits of using steel.

### Testimonial



"I've done my homework, so I know from those I've spoken with – American Recycler is a well-read publication in the markets we serve."

—Jeannie Bolt, Marketing Director  
SEBRIGHT PRODUCTS, INC.

# WheelPopper

Separates scrap tires from steel & alloy wheels in seconds

## Save time and money!



- Buy direct from the manufacturer
- World wide delivery to your door



**AutoDrain**  
Experts in vehicle depollution

sales@autodrain.net  
[www.autodrain.net](http://www.autodrain.net)

# START THE NEW YEAR OFF RIGHT!



**2004 BARCLAY 4.9 PRIMARY TIRE SHREDDER**  
Needs a little work. Call for details. \$45,000



**4000 HP DRIVE SHAFT**  
Spare shaft, never used! \$22,000



**ERIEZ 36" EDDY CURRENT**  
Very good shape! Unbelievable price! \$22,000



**KOMATSU PC300HD**  
Includes scrap grapple and gen-set. Norris front, runs well. \$28,000



**JEFFREY 62 X 90 SHREDDER**  
Rebuilt, disassembled and ready to ship. \$165,000



**STRIP-TEC MODEL 400 WIRE GRANULATOR**  
Includes pre-chopper. Great condition! \$55,000



**2005 JOHN DEERE 200LC**  
Includes a Genesis 300R shear! \$110,000



**2011 CM LIBERATOR 2R**  
Rebuilt and ready to run. The best machine for wire separation and wire free rubber material. \$240,000

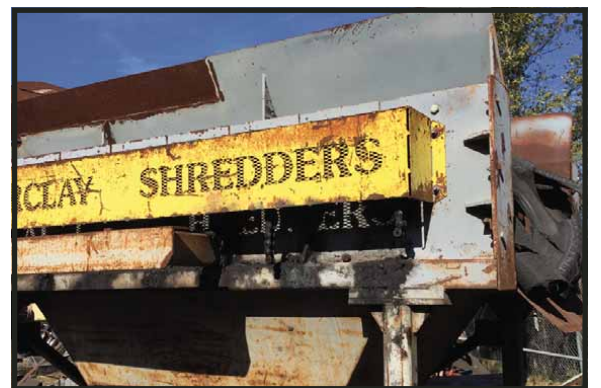
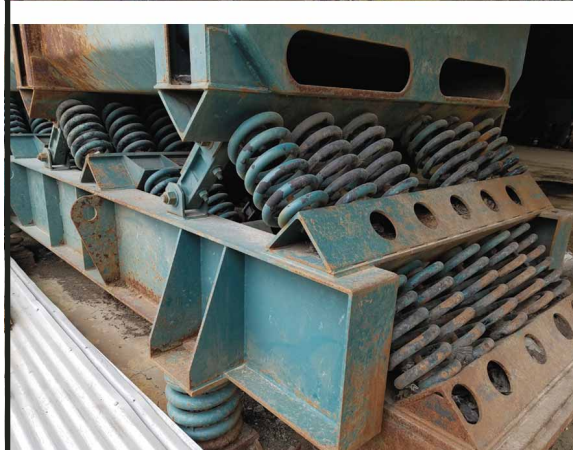


**CM LIBERATOR 4R TIRE WIRE SEPARATOR**  
Four shaft shredder. Includes conveyance. \$220,000

## 2006 GRIZZLY \$250,000



## ACTION SCREEN \$75,000



**BARCLAY 6" CLASSIFIER**  
Good condition. Daisy wheel tire shred classifier. \$22,000



**2014 EL DAN TIRE RASPER SYSTEM**  
Includes magnets, baghouse and deluge system. \$415,000

# HUGE 2019 PRICE REDUCTIONS!



**UNITED 990 ALUMINUM FURNACE**

Start earning more for your aluminum!

\$35,000



**1995 MAC 24' CRUSHER**

24' opening. Great condition.

\$55,000



**MOSLEY TIN BALER**

Get started baling on the cheap! Works well. Electric.

\$18,000



**2012 DOOSAN DX255 WITH SHEAR**

With Genesis GXP 400 R shear. Runs every day.

\$88,000



**1994 E-Z MODEL B CRUSHER**

Stationary electric. Price includes loading.

\$49,000

## American Pulverizer 60 x 85 HAMMERMILL SHREDDER

Tons of spare parts including an extra rotor!



**\$440,000**



This shredder is in great working condition.



# DADE Auctions

844-222-2020

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

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

# METALS

## Steel imports decreased

U.S. IMPORTS OF FINISHED STEEL MILL PRODUCTS BY COUNTRY OF ORIGIN (Thousands of Net Tons)					
	OCT 2018	SEP 2018	2017 Full Year	2018 Annualized	% Change 2018 Annual vs. 2017
SOUTH KOREA	183	189	3,753	2,974	-20.7%
JAPAN	105	90	1,504	1,403	-6.7%
GERMANY	113	117	1,405	1,320	-6.1%
TURKEY	68	133	2,191	1,249	-43.0%
TAIWAN	68	105	1,245	1,096	-12.0%
VIETNAM	115	75	749	1,067	42.5%
CHINA	57	40	813	698	-14.2%
NETHERLANDS	78	58	658	588	-10.7%
All Others	1,203	1,059	17,243	16,104	-6.6%
<b>TOTAL</b>	<b>1,991</b>	<b>1,866</b>	<b>29,561</b>	<b>26,499</b>	<b>-10.4%</b>

Based on preliminary Census Bureau data, the American Iron and Steel Institute (AISI) reported that the U.S. imported a total of 3,264,000 net tons (NT) of steel in October 2018, including 1,991,000 NT of finished steel (up 44.2 percent and 6.7 percent, respectively, vs. September final data). Year-to-date (YTD) through 10 months of 2018, total and finished steel imports are 29,436,000 and 22,082,000 NT, down 10.6 percent and 13.4 percent, respectively, vs. the same period in 2017.

Key finished steel products with a significant import increase in October compared to September were hot rolled bars (up 55 percent), line pipe (up 37 percent), mechanical tubing (up 23 percent), tin plate (up 13 percent) and wire drawn (up 13 percent). Major products with significant year-to-date (YTD)

increases vs. the same period in 2017 include hot rolled sheets (up 23 percent) and plates in coils (up 19 percent).

In October, the largest volumes of finished steel imports from offshore were from South Korea (183,000 NT, down 3 percent from September final), Vietnam (115,000 NT, up 53 percent), Germany (113,000 NT, down 3 percent), and Japan (105,000 NT, up 17 percent). For the first 10 months of 2018, the largest offshore suppliers were South Korea (2,479,000 NT, down 26 percent vs. the same period in 2017), Japan (1,169,000 NT, down 11 percent), Germany (1,100,000 NT, down 5 percent), Turkey (1,041,000 NT, down 50 percent) and Taiwan (913,000 NT, down 21 percent).

## November steel import permit applications down

Based on the Commerce Department's most recent Steel Import Monitoring and Analysis (SIMA) data, the American Iron and Steel Institute (AISI) reported that steel import permit applications for the month of November totaled 2,544,000 net tons (NT). This was a 15.4 percent decrease from the 3,007,000 permit tons recorded in October and a 22.1 percent decrease from the October preliminary imports total of 3,264,000 NT.

Import permit tonnage for finished steel in November was 1,920,000, down 3.6 percent from the preliminary imports total of 1,991,000 in October. For the first 11 months of 2018 (including November SIMA permits and October preliminary data), total and finished steel imports were 31,979,000 NT and 24,002,000 NT, down 10.4 percent and 13.3 percent, respectively, from the same period in 2017. The estimated finished steel import market share in November was 20 percent and is 23 percent year-to-date (YTD).

Finished steel imports with large increases in November permits vs. the

October preliminary included electrolytic galvanized sheets and strip (up 224 percent), wire rods (up 86 percent), heavy structural shapes (up 62 percent), tin free steel (up 34 percent), mechanical tubing (up 14 percent), and sheets and strip all other metallic coatings (up 14 percent). Products with significant YTD increases vs. the same period in 2017 include hot rolled sheets (up 21 percent) and plates in coils (up 15 percent).

In November, the largest finished steel import permit applications for offshore countries were for South Korea (182,000 NT, down 1 percent from October preliminary), Japan (142,000 NT, up 35 percent), Germany (123,000 NT, up 8 percent), Vietnam (115,000 NT, no change) and Taiwan (92,000 NT, up 36 percent). Through the first 11 months of 2018, the largest offshore suppliers were South Korea (2,660,000 NT, down 25 percent from the same period last year), Japan (1,311,000 NT, down 8 percent) and Germany (1,222,000 NT, down 6 percent).

*I was walking on a trail with my newborn daughter, chatting to her about the scenery. When a man and his dog approached, I leaned into the baby carriage and said, "See the doggy?"*

*Suddenly I felt silly for talking to my baby as if she understood me. But only until the man passed and I noticed him reach down, pat his dog and say, "See the baby?"*



**EAGLE TUF-CUT II**  
The unit is perfect for TDF production, cement kilns, large tire shredding operations and tire processors. It cuts several car tires at a time and has a cycle time of just 18 seconds!

**WITH EAGLE INTERNATIONAL YOU CAN DOWNSIZE ANY TIRE MANUFACTURED!**

**TIRE BALERS**  
With the ETB80 and ETB90 Tire Balers, you can expect a cleaner environment with reduced waste volume. The ETB90 can produce 4 bales of 100 tires per hour!



**TC GATOR**  
This stationary tire cutter provides a clean cut on up to 18.5 car and light truck tires. Total cycle time of only 10 seconds!

**Eagle International**  
605-242-5213  
www.Eagle-Equipment.com



# METAL RECYCLERS

**Raise Profits!**  
**INVEST IN A QUALITY-BUILT SWEAT FURNACE**

With a US Furnace's **MAX-4000 Hi Efficiency Sweat Furnace**, get the lowest fuel cost per lb to process than any other furnace manufacturer — **GUARANTEED!**  
The lowest melt loss rate than any other manufacturer — **GUARANTEED!** On-site installation, training & service.



**FULL EPA compliance GUARANTEED.**



**Recycling Services International**  
518-424-1168  
www.RecyclingFurnaces.com

Permit assistance available • Large hearth opening for automotive scrap

# METALS

## Steel Dynamics to build sheet mill in southwest U.S.

Steel Dynamics, Inc. announced that its board of directors has authorized the company to construct a new state-of-the-art, electric-arc-furnace (EAF) flat roll steel mill in the U.S. The facility is will likely have an annual production capacity of approximately 3.0 million tons with the capability to produce the latest generation of advanced high strength steel products. The project will include value added finishing lines, including a galvanizing line with an annual capacity of 450,000 tons, and a paint line with an annual coating capacity of 250,000 tons. The product offering is anticipated to include various flat roll steel products, including hot roll, cold roll, galvanized, Galvalume® and painted steel, primarily serving the energy, automotive, construction, and appliance sectors. The current estimated investment is \$1.7 billion to \$1.8 billion, with anticipated direct job creation of approximately 600 well paying positions, and numerous opportunities for indirect job growth from other support service providers.

The company currently expects to locate the facility in the southwestern

U.S., to cost effectively serve not only the southern U.S., but also the underserved Mexican flat roll steel market. Determination of the final site location is subject to state and local government infrastructure and incentive support. Upon final site selection and the receipt of required environmental and operating permits, the company will likely begin construction in 2020, followed by the commencement of operations in the second half of 2021.

“We believe our unique operating culture, coupled with our considerable experience in successfully constructing and operating cost-effective and highly profitable steel mills, positions us well to execute this greenfield opportunity, and to deliver strong, long term value creation,” said Mark. D. Millett, president and chief executive officer. “We plan to utilize new technologies that will further reduce the gap between existing EAF and integrated steel mill production capabilities. As a site location is finalized and equipment negotiations are completed, we look forward to updating you on this important strategic initiative.”





Commodity		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
#1 Bushelings	per gross ton	\$269.00	268.00	279.00	302.00	390.00
#1 Bundles	per gross ton	274.00	260.00	281.00	295.00	404.00
Plate and Structural	per gross ton	284.00	284.00	287.00	342.00	369.00
#1 & 2 Mixed Steel	per gross ton	225.00	272.00	250.00	308.00	334.00
Shredder Bundles (tin)	per gross ton	172.00	185.00	198.00	201.00	215.00
Crushed Auto Bodies	per gross ton	172.00	185.00	198.00	201.00	215.00
Steel Turnings	per gross ton	92.00	98.00	96.00	169.00	216.00
#1 Copper	per pound	2.75	2.62	2.79	2.48	2.44
#2 Copper	per pound	2.61	2.55	2.69	2.31	2.24
Aluminum Cans	per pound	0.71	0.74	0.69	0.72	0.60
Auto Radiators	per pound	1.75	1.62	1.79	1.61	1.61
Aluminum Core Radiators	per pound	0.71	0.74	0.62	0.51	0.42
Heater Cores	per pound	1.24	1.12	1.25	1.29	1.32
Stainless Steel	per pound	0.61	0.61	0.61	0.56	0.51

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.


## 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.




It's All About The Business Of Recycling!



**SERC**  
SOUTHEAST RECYCLING  
CONFERENCE & TRADE SHOW


**The 32nd Southeast Recycling Conference & Trade Show (SERC)**  
February 24-26, 2019



**RECYCLE FLORIDA TODAY**  
FOR A SUSTAINABLE TOMORROW

**Recycle Florida Today (RFT) Winter Summit**  
February 27, 2019

Rosen Centre  
Orlando, Florida



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

500 + Key Recycling Industry Contacts

50 + Exhibitors

Informative Educational Sessions

Great Networking Events

Golf Tournament



**Register Now!**

**AIST.org**



STEEL'S PREMIER TECHNOLOGY EVENT



GLOBAL EVENT SPONSORS



**CISDI**

# AISTech<sup>®</sup> 2019

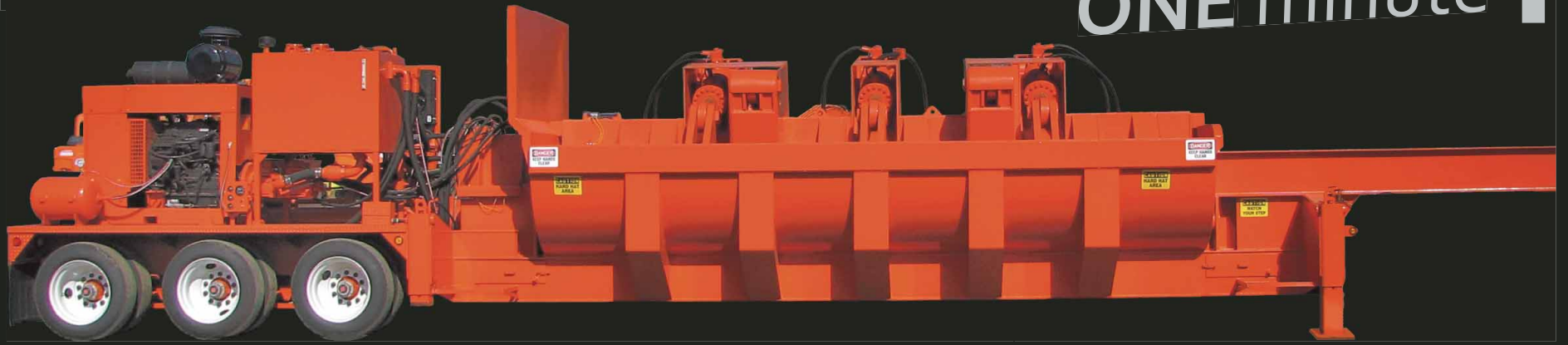
6-9 May  
David L. Lawrence  
Convention Center  
Pittsburgh, Pa., USA



# IRON PACK BALER

Remote Control • Automatic Cycle

Bale a CAR in  
**ONE** minute



# IRON AX ENVIRO-RACK

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.

*Complete fluid removal  
in less than 5 minutes!*

# BIG MOUTH SHEAR



- 2 Piece Cutting Tip
- 8 Cutting Edges per Blade!
- Low Operating Cost
- Flip the Tip without Rebuilding!



# IRON AX SHEAR PACKAGES

All shears feature 360° continuous rotation.

 **RECYCLING**  
EQUIPMENT SALES, INC

Toll-free 877-247-6629

Fax 478-252-9030

Wadley, Georgia

Website: [www.ironax.com](http://www.ironax.com)

E-mail: [ironax@ironax.com](mailto:ironax@ironax.com)

**Equipment Ready For  
Shipment Today**

We have a NEW Doosan DX225 with a  
NEW Iron Ax IA25R Shear mounted  
and ready to cut iron.

*Contact us for full details!*

 **You Tube**

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

Call us today!  
**800-823-9688**  
Maumee, OH

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

**UNDER  
CONSTRUCTION**

**DADE**  
Auctions

Salvage, Recycling & Waste



**LAUNCHING MARCH 1ST, 2019**

**Don't Gamble with  
Your Marketing Dollars.**



**Advertise with us.**  
**877-777-0043**

**SWANA** *palooza*

Register now using code  
PB100 and save \$100!  
[SWANApalooza.org](http://SWANApalooza.org)

**2019**

Building the

**FUTURE**

February 25-28 | Boston, MA

# EQUIPMENT SPOTLIGHT

## Chippers/Grinders

by MARY M. COX

maryc@americanrecycler.com

Chippers and grinders are routinely used to reduce organic waste, and in doing so, machine users may also realize a profit from the end of process material.

There are 17 standard models within the 3 series (TC, HC and WC) of the tub grinders offered by HogZilla. The largest grinder is the TCII-1564P diesel powered model – which is also the most popular. TC Series grinders can also be configured with electric power ranging from 900 to 1350 hp. “Our HC and WC Series grinders can be mounted on tracks for greater mobility at the job site, or can be ordered with a loader installed,” noted Tim Wenger, vice president, HogZilla sales. HogZilla horizontal grinders are available as either 5th wheel portable, on tracks or can be built as an electric stationary unit. Overall, CW Mill Equipment manufactures 20 standard HogZilla models with numerous options available.

All diesel powered models utilize the latest Tier 4 engines to comply with current EPA engine emission regulations, and feature a Twin Disc Torque Converter to drive the hammermill and protect the engine from damaging shock loads. Wenger stated, “They’ve proven so reliable that CW Mill stands behind them with a five year warranty.” Most electric models have a direct drive, which eliminates belt maintenance.

Wenger also explained how their customers use wood from picking stations and grind it into boiler fuel – and that C&D material can be ground for daily landfill cover after it has been inspected for metal and large concrete.



CW Mill Equipment Co., Inc.

TDF (tire derived fuel) is also a valuable commodity. “Tire grinding has gained in popularity because hammermills are more tolerant to ‘dirty’ tires and tub feeders allow for processing of larger tires, further enabling tires to be broken down so the ground material can be used as TDF. When wood and tires are discarded

and landfilled, trillions of BTUs are going to waste,” Wenger said.

Precision Husky Corporation is a 50 year old international company that manufactures waste wood processing equipment for the recycling, sawmill and forestry industries. Precision offers six different models of tub style grinders, and three horizontal grinders. The tub style grinders are offered as trailer mounted machines or track mounted units. Horizontal grinders are offered as trailer mounted, track mounted, or stationary electric units.

“Our tub grinder models range from the 250 hp ProGrind 900 to the 1,200 hp 5200. The 5200 and our ProGrind 4000 are available with or without a Husky Knuckle Boom Loader attached. The



Precision Husky Corporation

ProGrind H3045 with 500 hp, the H3060 with 600 to 700 hp, and the H4060 with up to 1,200 hp round out our horizontal grinder offerings. Precision grinders have always been known for their ease of maintenance and reliable operational controls. Also, we offer a remote-controlled thrown object shield for our tub grinders. This option allows the units to be used in areas where space is tight.”

Steve Briscoe, ProGrind sales manager, commented. Precision tub grinders are widely used by contractors, municipalities and governments around the world. The machines are used for processing yard waste, forestry waste, pallets, construction waste and storm cleanup. The material is then used to manufacture compost, fuel, mulch and more. Precision purchased the Recycling Equipment Division from The Toro Company in 1998 and expanded the Toro product line.

Briscoe noted that regulations for these machines and their operation are consistently challenging. The regulation that affects all manufacturers of these machines is EPA’s Tier 4 final emissions

requirement. This in turn affects pricing and requires most manufacturers to do some redesign for engine placement. “Regardless of the challenges that come and go, we’re always excited about the opportunities that present themselves as well,” he said.

West Salem Machinery’s (WSM) large horizontal construction/demolition and urban wood grinders feature a large feed opening, massive rotor, large diameter feedroll, and multi-strand chain infeed conveyor. The unique limited swing hammers offer maximum machine protection from large uncrushables. The large grinder offers optimum effectiveness in

processing large, bulky material. Large vertical grinders are a great option for shorter material including at resource recovery and recycling facilities. The grinders can be part of a complete recycling system that converts pre-shredded construction, demolition, land clearing and commercial waste into value-added end products. The WSM Model 5472BP vertical grinder features a heavy steel housing, a 54” diameter by 72” wide fully-machined rotor and massive alloy steel swing hammers with replaceable rebuildable tips. The grinder operates at 600 hp and uses heavy-duty modular sizing screens to reduce various materials to a 2 to 4” product size at rates up to 50 TPH. The 5472BP offers WSM’s unique pivot top case that allows for quick and easy maintenance to the inside of the grinder, reducing downtime.

Large uncrushables can do extensive grinder damage. WSM offers options to minimize the damage, including a ballistics infeed chute. The unique design and construction of the chute allows large pieces of tramp metal and other uncrushables that enter the grinder to be captured and removed from the material flow – helping to protect the grinder rotor and reducing maintenance expenses. The ballistics chute also acts as a safety device by helping to eliminate projectiles from the grinder chuteworks.

According to Denise Fine, marketing coordinator, recyclers who specialize in managing recyclables for large demolition and construction projects, strive to expand their business to include more “urban forest” wood in their recoverable waste stream. “This can mean processing



West Salem Machinery Co.

salvage, dunnage, concrete forms, C&D debris, tree trimmings, and other large recoverables for other markets, including papermills for biomass feedstock, an industry in which WSM has long been a leader. The continuing evolution of the recycling industry requires a partner that can work with recyclers to customize grinders for the new challenges that arrive, so together, they can find the best solution,” Fine said.

### MANUFACTURERS

**Bandit Industries, Inc.**  
Paula Balhorn  
800-952-0178  
www.banditchippers.com

**CW Mill Equipment Co., Inc.**  
Tim Wenger  
800-743-3491  
www.hogzilla.com

**Rule Steel**  
Pat Crawford  
800-949-2383  
www.diamondz.com

**DuraTech Industries International Inc.**  
Bob Strahm  
701-252-4601  
www.duratechindustries.net

**Precision Husky Corporation**  
Steve Briscoe  
205-640-5181  
www.precisionhusky.com

**Vermeer Corporation**  
Matt Eul  
641-621-8790  
www.vermeer.com

**West Salem Machinery Co.**  
Denise Fine  
800-722-3530  
www.westsalem.com

**W.H.O. Manufacturing Company**  
Jon Littler  
719-336-7433  
www.who-mfg.com

### MONSTER TUB & HORIZONTAL GRINDERS

DIESEL OR ELECTRIC POWER

Building Grinders for Over 45 Years!

Call: 800.743.3491

Email: hogzilla@cwmill.com

**HOGZILLA.com**



TCII-1564P  
Our Most Popular MONSTER Model

**ARMORHOG**  
Extreme Duty Grinder Parts  
800.743.3491  
ARMORHOG.COM

SCREENS, TIPS, BELTS, & Many Other Parts for All Rigid Hammer Style Tub & Horizontal Grinder Brands & Other Hammermill Applications.  
Repair & Service, Rotor Repair/Replacement, & Digital Electronic Balancing for All Brands & Models of Grinders.

## To Place Your Ad

### Call

877-777-0043

### Fax

419-931-0740

### Visit

AmericanRecycler.com

# AR Classified ADVERTISEMENTS

WE ACCEPT CHECKS, MONEY ORDERS, MASTERCARD, VISA and DISCOVER.  
ALL CLASSIFIED ADVERTISEMENTS MUST BE PAID IN ADVANCE.

ASK ABOUT  
ADDING COLOR!

## Rates

### Text Classifieds

\$70 for up to 50 words.  
Add \$1 each additional word.

### Display Classifieds

\$75 per column inch depth,  
2.5" width.

## Featured Classifieds

### Recycle Lead Acid Batteries PROPERLY with us!

Expedited truckload pick-up & payment

Disposal at government registered facilities in North America

### Over 65 years of experience

We collect and recycle over one billion pounds of scrap lead acid batteries annually!



Call  
**888-872-4001**

interstatebatteries.com/recycling

## 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



609.854.3520 tel  
609.854.3596 fax  
rs@sternerconsulting.com  
sternerconsulting.com

**NEED CASH? TURN YOUR USED EQUIPMENT INTO CASH** by selling it in American Recycler's Classifieds Section. Call 877-777-0043 or visit AmericanRecycler.com to place your ad today!

## Material Handlers

### KUHN EQUIPMENT

#### FEATURED MACHINES



2011 Caterpillar M322D MH – 44 ft reach, hydraulic elevating cab, heat & A/C, Buto lube, NEW Gen Set, 3/4 yard grapple, 4 outriggers and blade. **Call for price!**



2008 Sennebogen 835R on Tracks – 52 feet of reach, hydraulic lift cab, heat & A/C, serviced, NEW batteries, expandable U/C, 5 tine grapple. **Call for price!**

VISIT  
**KuhnEquipment.com**  
TODAY FOR  
MORE QUALITY MACHINES!

800-225-0623  
after hours: 843-324-8487  
sales@kuhnequipment.com

## Miscellaneous

### WE BUY AND SELL USED RECYCLING EQUIPMENT

HOVDE RECYCLING EQUIPMENT  
800-617-5219 TEXT 320-760-5688  
scrapequip.com steven@scrapequip.com

## Miscellaneous

ORANGE PEEL GRAPPLE, BRAND NEW! 3/4-yard 4-tine orange peel grapple with 15-ton 360° rotator. Show floor model for sale, SPECIAL PRICE: \$18,800. Please call Moley Magnetics at 716-434-4023 or visit www.MoleyMagneticsInc.com.

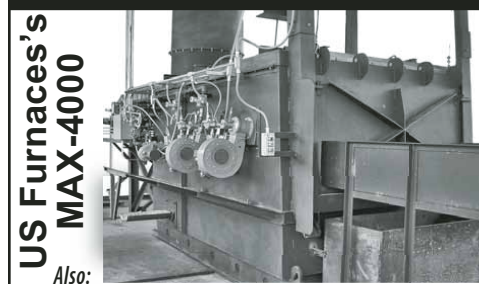
### Brawler HPS Solidflex Tires



Set of 4 like new tires and rims for Hyundai loader. Uses 17.0 – 25 rim; 20.5x25.

Asking price **\$3,000 per tire + rim**. Contact Christina for more information: [dispatch@pickapartva.com](mailto:dispatch@pickapartva.com)

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



US Furnaces's  
MAX-4000

Also:  
PARTS • REPAIR • CUSTOM BUILDS  
**518-424-1168**  
www.RecyclingFurnaces.com



LET'S BUILD  
YOUR IDEAL STRUCTURE  
www.clearspan.com 1.866.643.1010

## Auto Recycling

### Iron Ax Enviro-Rack



Complete auto fluid removal and dismantling system, like new. \$14,000 loaded on your truck.

**402-721-2985**

ASK FOR STEVE

## Businesses

**TWO FEEDER YARDS FOR SALE** in Northwestern Pennsylvania, both close to I-80, 15 miles apart, lots of support equipment and inventory, looking for offers over \$2 million. Partial financing considered. Fax for details: 814-772-9735. E-mail: [dfk.amr@gmail.com](mailto:dfk.amr@gmail.com)

**WELL MANAGED, HIGHLY PROFITABLE** scrap metal recycling and auto salvage yard for sale, 12 years in business, turn-key operation, 2 buildings on 14 acres, one of the biggest u-pull-it yards in central Florida, with over 1,500 vehicles. All licenses and permits ready, huge potential for growth. Asking \$1.3M for real estate, equipment and parts inventory. Please call Jeff at 646-541-1858.

## Material Handlers

### 2012 Sennebogen 821



- 36' Reach
- Solid Tires
- Gen-set
- Rotating Grapple

•New Paint

**20 MACHINES IN STOCK!**  
Sennebogen, Liebherr, Fuchs & Cat  
**New and Used Grapples**  
**New Magnets and Gen-sets**  
**New 24 Volt Magnets**

EQUIPMENT INTERNATIONAL  
**303-699-7766**  
www.equipint.com



**NEXT DEADLINE: Jan 18! Call us at 877-777-0043 or visit us online 24/7 at www.AmericanRecycler.com**

## Miscellaneous

**SARGENTS**  
EQUIPMENT & REPAIR SERVICE

**Recycling Equipment-  
Your Complete Source!**

Moley Magnets  
Harris/IPS Balers  
Genesis Shears  
Used Equipment  
Onsite Portable Line Boring

**We Service What We Sell**  
TO SEE OUR INVENTORY PLEASE VISIT  
[sargentsequipment.com](http://sargentsequipment.com)  
708-758-2062

Arm Your Hog With...  
**ARMORHOG**  
Extreme Duty Grinder Parts

Screens, Tips, Belts,  
Other Parts, & Repair  
for ALL BRANDS of  
Rigid Hammer Style  
Tub/Horizontal Grinders.

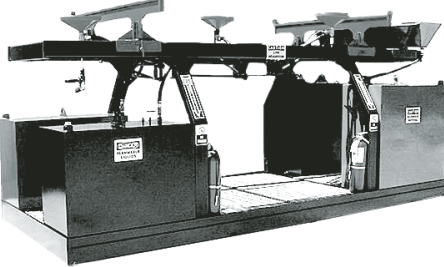
Now OFFERING, Insert tips for  
A.R.E. Challenger & other  
similar style grinders.

Affordable Price  
& Long Life

ARMORHOG uses  
NITROGRIT

800.743.3491 or 785.284.3454  
[sales@armorhog.com](mailto:sales@armorhog.com)  
[www.armorhog.com](http://www.armorhog.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](http://IronAx.com)

## Wanted

**WE BUY MINOR METALS!** Our company, Exotech Inc., purchases Tantalum, Niobium, Hafnium, Zirconium, Indium, Germanium, Vanadium and Ruthenium scrap. We do not charge any processing fees and we are open to payment terms. We have been in business for 28 years. Visit our website for more information: [www.exotech.com](http://www.exotech.com), 954-917-1919, [Fredc@exotech.com](mailto:Fredc@exotech.com)

**ADVERTISING IN AMERICAN RECYCLER** is one of the smartest things you can do for your business! It's also one of the easiest ways to increase your sales income. Call 877-777-0043 today! All ads are also shown on [AmericanRecycler.com](http://AmericanRecycler.com) FREE!

## BUSINESS BRIEFS

### American Baler chooses new sales representative

American Baler Company welcomed Sean Gertsch as key account sales.

Gertsch will be responsible for developing national and OEM accounts. Previously Gertsch served as a sales representative for Hoosier Machinery Solutions where he specialized in sales of capital equipment for recycling and material recovery facilities.

American Baler Company is an industry leader in the manufacturing of recycling balers used in distribution centers, manufacturing, and recycling centers world-wide.

### AEM Hall of Fame inducts Steiger Manufacturing

The Association of Equipment Manufacturers (AEM) named their newest inductees to the AEM Hall of Fame: the Steiger Family (John, Maurice and Douglass), co-founders of Steiger Manufacturing Company.

The AEM Hall of Fame recognizes and celebrates outstanding individuals in the off-road equipment industry and their legacy of innovation, service and leadership.

Nominations for the AEM Hall of Fame are open year round. Companies or persons may submit nominations for individuals, living or deceased, who have made noteworthy and specific contributions to the industry's legacy of progress.

### Adesa names Fontaine as new general manager

Adesa, a business unit of global vehicle remarketing and technology solutions provider KAR Auction Services, Inc., has named David Fontaine general manager of its Adesa Buffalo auction.

Fontaine brings more than two decades of experience in the corporate, educational, non-profit and government sectors. He spent nearly 14 years at Maritz, an international provider of market research, sales incentives and training and development. During his time there, Fontaine was regional business partner for more than 400 dealerships for one of the nation's leading OEMs. He also served as field force general manager for another leading OEM project - directing North American operations and managing sales and marketing activities for more than 700 subscriber dealerships.

Fontaine earned a Ph.D. in training and performance improvement as well as professional certifications in human resources. He has served as adjunct or assistant professor for multiple colleges and universities since 2005. As a member of the board of examiners for the Malcolm Baldrige National Quality Award, Fontaine has assisted in the development of the applicant assessment report that serves as criteria for recognition by the U.S. Department of Commerce for performance excellence.

### Safe Fleet acquires Roll-Rite group of companies

Safe Fleet, a global provider of safety and productivity solutions for fleet vehicles, has acquired the Roll-Rite group of companies.

Roll-Rite is a provider of innovative OEM and aftermarket safety products that protect cargo, reduce risks to drivers and roadways and improve fleet efficiencies.

Under the Roll-Rite and Pulltarps brands, Roll-Rite manufactures a complete line of application-specific automated and semi-automated tarping systems, motors, controls and tarps for open body dump trucks, open top trailers and detachable containers. It is estimated that there are more than 150,000 trucks and trailers on the road equipped with a Roll-Rite or Pulltarps branded system.

### Efrén Shayd Carmona Loya joins Vortex

Vortex has appointed Efrén Shayd Carmona Loya as regional sales manager for Mexico.

Shayd has joined the team at Vortex Latinoamérica, a division of Salina Vortex Corporation located in Querétaro. In this role, Shayd is responsible for working directly with original equipment manufacturers, end users and industry specialists to further expand Vortex sales throughout Latin America.

Shayd brings with him more than 12 years of industrial sales experience. Previously, he worked as a market administrator for Cemex.

*You get all excited to give her the ring, and it's real emotional. You give it to her and she cries. And a second later, you're like, "Damn, I could have had a car."*

# WEB EXPOSURE

Remember... Our  
**CLASSIFIED AD**  
rates INCLUDE a unique value—  
**All ads are also posted ONLINE!**



**Place your ad now!**

**Call Today!**

**877-777-0043**

**To place your ad 24/7, visit  
[www.americanrecycler.com](http://www.americanrecycler.com)**

## NEW PRODUCT SHOWCASE



### ATTACHMENTS INTERNATIONAL ADDS BOLT-ON MULTI-GRAPPLE

Transform your tractor into a picking and scooping grapple, without ever taking off your bucket! The Bolt-on Grapple by Attachments International allows you to easily bolt on the adjustable grapple jaws to your 72" - 84" bucket, creating a fully functional grapple bucket.

The only modification required is drilling installation holes using the provided installation plates. Then, simply bolt or remove the grapple as needed. It's that easy! Attachments International's New Extreme Service design features T-1 and HSLA steel construction with chromium hard facing on all wear surfaces.

**Attachments International**  
9 Industrial Park Drive  
Pelican Rapids, MN 56572  
218-863-6444  
www.attachmentsintl.com



### BANDIT OFFERS REMOTE CONTROLLED KESLA LOADERS

Bandit offers extending Kesla loaders with radio remote controls on its largest hand-fed chipper—the Intimidator™ 21XP, giving land-clearing professionals a powerful all-in-one tool to dispose of large-diameter limbs and whole trees.

The Kesla loader extends to 21' to grab large bundles, and then folds up for storage. It uses intuitive controls along with a rated chipping capacity of 21", a huge 24.5" x 26" chipper throat opening, Bandit's Slide Box Feed System and engine options up to 350 h.p., making the Intimidator 21XP simply the ultimate hand-fed chipper.

**Bandit Industries, Inc.**  
6750 Millbrook Road  
Remus, MI 49340  
989-561-2270  
www.banditchippers.com



### TASKMASTER XL PALLET SHREDDER BY FRANKLIN MILLER

The powerful Taskmaster XL pallet shredder effectively shreds entire pallets and nails all to reduce their bulk volume, which substantially reduces the expense of disposing of pallets. It is supplied complete with stand, hopper and automatic reversing controls. Its streamlined design features a direct coupled gear drive which is smooth running and simple to operate.

This unit is designed to be easy to use and easy to maintain – there are no drive belts to re-tension and it's hopper automatically directs the pallet into the cutting chamber. Optional conveyor equipment is available for customized automation.

**Franklin Miller, Inc.**  
60 Okner Parkway  
Livingston, NJ 07039  
973-535-9200  
www.franklinmiller.com



### LIFTOMATIC'S PORTABLE DRUM HANDLER IS PERFECT FOR C1D1

The C1D1-DCM power drum transporter is a completely powered and self-contained handling device for lifting, lowering and moving all types of steel, plastic and fiber drums.

The unit incorporates a completely electrically enclosed and spark free power drive, as well as power lift and lower for moving drums quickly and efficiently by any operator.

With weight capacities up to 1,000 pounds available and many additional features, Liftomatic's new C1D1-DCM drum transporter fits nicely into all work areas designated with EE or EX ratings!

**Liftomatic**  
Material Handling  
700 Dartmouth Lane  
Buffalo Grove, IL 60089  
847-325-2930  
www.liftomatic.com



### NEW APPLICATION FOR RIGAKU ANALYTICAL HANDHELD DEVICES

Rigaku Analytical Devices announces a new application study that describes the use of the handheld KT-100S laser induced breakdown spectroscopy (LIBS) analyzer for positive material identification and verification of metal alloys used in various industries.

The KT-100S LIBS analyzer offers a new handheld solution that answers many of the issues and concerns presented by current technology. The KT-100S analyzer provides industry-leading features and precise analysis wherever needed. The included alloy grade library includes most common grades used in refineries and other production environments.

**Rigaku Americas Corp.**  
9009 New Trails Drive  
The Woodlands, TX 77381  
281-362-2300  
www.rigaku.com

## BUSINESS BRIEFS

### Brokk hires Graser as new regional sales manager

■ Brokk, a manufacturer of remote-controlled demolition machines, hired Ted Graser as its southeast regional sales manager. Graser manages sales for both Brokk robotic demolition machines and the company's Aquajet Systems AB hydrodemolition robots. He provides support to customers throughout Alabama, Georgia, Florida, Tennessee and the Carolinas.

Graser joins Brokk with 25 years of construction and industrial equipment sales experience, including managing international territories for Link-Belt Excavators, a U.S. based heavy construction equipment manufacturer; Time Manufacturing Company, a Texas based manufacturer of aerial lifts; and Sennebogen, a German material handling equipment manufacturer. Prior to these roles, he served two years in the early 1990s as a Peace Corps volunteer in Uruguay, South America.

### John Thomas named president of R&B Debris

■ The Hainesport Transportation Group has named John Thomas president of R&B Debris, a subsidiary company. R&B Debris, based in Hainesport, New Jersey, provides transportation services for hazardous and non-hazardous materials, providing disposal solutions through a network of private and public landfills in the Greater Philadelphia region.

In this role, Thomas will be responsible for strengthening the relationships with the company's current clients and disposal partners and spearheading efforts to grow R & B Debris through new partnerships and planning a long term strategy in an everchanging industry.

Thomas was practically raised in the transportation industry. In addition to his parents' operating a tractor trailer company, Thomas has worked for Statewide Hi-Way Safety as fleet maintenance manager, for Universal Express as fleet manager, and as operations manager for M.L. Ruberton Construction and then its sister company, Aquatex.

In 2016, Thomas joined R&B Debris as a transportation and disposal specialist to help the organization grow and develop into larger markets.

The Hainesport Transportation Group provides fully integrated transportation and disposal services and focuses on the needs of companies involved with solid waste streams.

### Fuchs names Hoffman Equipment as dealer

■ Fuchs has appointed Hoffman Equipment as the authorized Fuchs distributor for 11 counties in Southern New York, the entire state of New Jersey and Eastern Pennsylvania for the full line of Fuchs material handlers.

In addition to sales and rental opportunities, Hoffman Equipment will provide parts, service and warranty support for Fuchs material handlers.

### Landmark Equipment under new ownership

■ Landmark Equipment, a long time member of the Pettibone dealer network based in Portland, Oregon, has a change in ownership. Serving material handling customers in Oregon, Idaho, Montana, Wyoming and northern California, Landmark Equipment has sold and serviced the Pettibone Cary-Lift product line for more than 30 years, and now also carries Pettibone Extendo and Traverse telehandlers.

The dealership was originally established in 1984 under the name Parts Company Northwest by Earl Rund and his partners, becoming Landmark Equipment in 1993. The sole owner since 2006, Rund is retiring and has sold Landmark Equipment to long term employees John Gunderson and Rick Nivens.

Landmark Equipment has been very successful with the Cary-Lift lineup, particularly with customers who move and stack items such as coated pipe and treated wooden poles. Exclusively focused on Pettibone for new equipment sales, Landmark added the Extendo and Traverse telehandlers to its offering in 2016. The company also has a long history of refurbishing and supplying used Pettibone parts from decades-old machines.

### Gold Medal acquires Apple Valley Waste

■ Gold Medal Group and its wholly-owned subsidiaries, a portfolio company of Kinderhook Industries, LLC and its minority partner BioHiTech Global, Inc. have acquired Apple Valley Waste Services, Inc.

The transaction represents Kinderhook's 36th investment in the environmental services sector. Apple Valley is a solid waste company that offers collection, processing, disposal and recycling services throughout the Mid-Atlantic region. Apple Valley services customers in West Virginia under certificates of necessity issued by the Public Service Commission of West Virginia and provides waste collection services in large metropolitan areas such as Baltimore, Washington, D.C. and Southern Pennsylvania.

Apple Valley and BioHiTech are minority owners of Entsorga West Virginia, a company that is currently constructing the first facility in the U.S. to utilize Entsorga's HEBioT mechanical biological treatment (MBT) technology.

By utilizing the HEBioT MBT system, Entsorga West Virginia will recover biomass, plastics and other carbon based materials from the mixed municipal solid waste stream and convert them into a safe alternative fuel source. Once operational, the plant will be able to accept up to 120,000 tons per year of inbound municipal solid waste and convert approximately 45 percent into solid recovered fuel. Upon opening of the Entsorga facility, Gold Medal will become a vertically integrated solid waste services provider. Less than 20 percent of the material Gold Medal delivers will end up in landfills.

# E-Z CRUSHER DEAL

- 2 Year Warranty
- Remote Automation
- Hydraulic Outriggers
- Air Compressor



PRICED WITH A TIER 3 DIESEL POWER PLANT

**\$165,000**

**LIST  
PRICE**

**-10,000**

**OFF THE  
2018 MODEL**

---

**\$155,000**

**With only a \$10,000 ORDER DEPOSIT**  
*(which is 5x lower than competitor's deposit!)*

**or with approved financing  
from DADECapital.com!**



**R.M. Johnson Co. • Annandale, Minnesota**

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

**EZCrusher.com | davev@ezcrusher.com**

# DADE AUCTIONS

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

844-222-2020

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

# BIG SALE

# ALL PRICES REDUCED!



**1985 MAC Car Crusher.** Runs well. Start crushing for cheap! \$42,000



**CM Portable Tire Shredder.** Rebuilt and ready to work! \$220,000



**Barclay 4.9 Tire Shredder** Good condition. Recently rebuilt. \$180,000



**1997 Magnatech 66x60 Shredder.** Includes conveyance & ECS. \$220,000



**2016 Volvo EC160.** With SAS Engine Puller. Coming early 2019! \$195,000



**2010 BG5 3E Tire Shredder.** Includes infeed and take-away conveyors. \$95,000



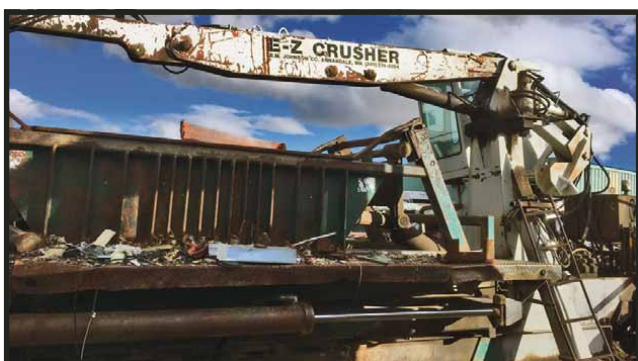
**2006 MAC 5200 Baler.** 16" x 16" x variable bale size. \$155,000



**2015 Wolverine Tire Debeader.** NEW, NEVER USED! Half price of new! \$82,500



**Rubber Mulch Paint Line.** Dual drum batch painting line. \$55,000



**1997 E-Z Metal Baler.** New pump, bearing, gears and hoses. \$55,000



**2015 OverBuilt Auto Logger.** Extremely well-maintained. \$285,000



**Gloucester Granulators.** Five knife rotors. Inc screens of various sizes. \$25,000 each



**Granutech Grizzly Knives.** Three sets. Need sharpened, only used once. \$4,000 per set



**2006 Sennebogen 825.** 10,700 hours. Includes rotating grapple. \$115,000



**1995 E-Z Model A+ Car Crusher.** 7,200 hours. Has remote but needs new hand-held. \$55,000





# AMERICAN RECYCLER BUYER'S GUIDE

SECTION B

www.AMERICANRECYCLER.com

JANUARY 2019

## Categories

- Automotive Recycling, Pg 1
- Aluminum & Steel Processing, Pg 1
- Conveyors, Pg 1
- E-Scrap Processing, Pg 2
- Glass Processing, Pg 2
- Loaders & Forks, Pg 2
- Material Handlers & Separation, Pg 2
- Metal Processing, Pg 2
- Miscellaneous, Pg 2
- Organics & Composting, Pg 3
- Paper Processing, Pg 3
- Plastics Processing, Pg 3
- Tire & Rubber Recycling, Pg 3
- Trucking & Transportation, Pg 3
- Waste & Recycling Collection, Pg 3
- Used Equipment, Pg 3

For an alphabetical listing that includes addresses, phone numbers, and websites please see page B4.

## Automotive Recycling

### BALERS & CRUSHERS

- Al-jon by C&C Mfg
- Dynamic Lifecycle Innovations
- Equipment International
- E-Z Crusher/R.M. Johnson Company
- Harris
- Holmatro
- Interstate Batteries Recycling, LLC
- Iron Ax
- Lamb Fuels Inc.
- Lefort America
- Metso
- Moley Magnetics Inc.
- National Attachments, Inc.
- OBC Industrial
- RCBC Global, Inc.
- Recycling Services Intl, LLC.
- SICON America
- Sierra International Machinery, LLC
- SP Industries Inc.
- Vortex
- Wendt Corp.

### USED FLUIDS PROCESSING

- AutoDrain
- Crow Environmental
- Iron Ax
- Holmatro
- Lamb Fuels Inc.
- Moley Magnetics Inc.

- OBC Industrial
- Prab Inc.
- Sebright Products, Inc.
- Vortex

### OTHER AUTOMOTIVE RECYCLING

- AutoDrain
- Bandit Industries, Inc.
- Blackrock Plastics, LLC
- Builrite Manufacturing
- Crow Environmental
- Dynamic Lifecycle Innovations
- E-Z Crusher/R.M. Johnson Company
- F V Evans Engineering Limited
- Harris
- Hollander
- Holmatro
- Interstate Batteries Recycling, LLC
- Iron Ax
- Lamb Fuels Inc.
- Lefort America
- Metso
- Moley Magnetics Inc.
- OBC Industrial
- Prab Inc.
- RCBC Global, Inc.
- Sebright Products, Inc.
- Shred-Tech
- Steinert US
- Supershear Inc.
- Tufner Weighing Systems
- Umicore
- Vortex
- Wendt Corp.

## Aluminum & Steel Processing

### BALERS & CRUSHERS

- Al-jon by C&C Mfg
- CPM Di Piu Systems
- E-Z Crusher/R.M. Johnson Company
- Ely Enterprises Inc.
- Engineered Recycling Systems, LLC
- Equipment International
- Excel Manufacturing, Inc.
- Harmony Enterprises, Inc.
- Harris
- Holmatro
- International Baler Corporation
- Iron Ax
- Lefort America
- Mallin Companies, Inc.
- Maren Balers & Shredders
- Metso
- OBC Industrial
- RCBC Global, Inc.
- Sebright Products, Inc.
- Sierra International Machinery, LLC
- SP Industries Inc.
- Vortex
- Wendt Corp.

### DENSIFIERS & FLATTENERS

- CPM Di Piu Systems

- E-Z Crusher/R.M. Johnson Company
- Equipment International
- Harris
- Holmatro
- International Baler Corporation
- Lefort America
- Maren Balers & Shredders
- OBC Industrial
- SICON America
- Sierra International Machinery, LLC

### SHREDDERS

- Al-jon by C&C Mfg
- Bandit Industries, Inc.
- BCA Industries
- Engineered Recycling Systems, LLC
- Equipment International
- Evashred Shredders, New Zealand
- F V Evans Engineering Limited
- Flipscreen
- Harris
- Holmatro
- Lamb Fuels Inc.
- Mallin Companies, Inc.
- Metso
- Moley Magnetics Inc.
- OBC Industrial
- Prab Inc.
- RCBC Global, Inc.
- SICON America
- swissRTec America, Inc.
- Wendt Corp

### OTHER ALUMINUM & STEEL PROCESSING

- Bunting Magnetics Co.
- CPM Di Piu Systems
- Crow Environmental
- E-Z Crusher/R.M. Johnson Company
- Equipment International
- F V Evans Engineering Limited
- Holmatro
- Lefort America
- Mallin Companies, Inc.
- OBC Industrial
- Prab Inc.
- RCBC Global, Inc.
- Recycling Services Intl, LLC.
- Shred-Tech
- Sierra International Machinery, LLC.
- SwissRTec America, Inc.

## Conveyors

### BELTS

- Andela Products
- Bunting Magnetics Co.
- Ely Enterprises Inc.
- Engineered Recycling Systems, LLC
- F V Evans Engineering Limited
- Harmony Enterprises, Inc.
- Harris
- Mallin Companies, Inc.
- Maren Balers & Shredders
- Moley Magnetics Inc.
- MPI (Magnetic Products Inc.)

- OBC Industrial
- Prab Inc.
- RCBC Global, Inc.
- Shred-Tech
- Sierra International Machinery, LLC
- Vecoplan, LLC
- Warren & Baerg Manufacturing, Inc.
- Wendt Corp.

### BULK HANDLING EQUIPMENT

- Ameri-Shred Corp.
- BCA Industries
- Best Process Solutions
- Bunting Magnetics Co.
- Ely Enterprises Inc.
- Excel Manufacturing, Inc.
- F V Evans Engineering Limited
- International Baler Corporation
- Maren Balers & Shredders
- Moley Magnetics Inc.
- MPI (Magnetic Products Inc.)
- OBC Industrial
- Prab Inc.
- RCBC Global, Inc.

### PNEUMATIC

- Engineered Recycling Systems, LLC
- Mallin Companies, Inc.
- Moley Magnetics Inc.
- OBC Industrial
- Prab Inc.
- Recycling Equipment Inc.
- Shred-Tech

### VIBRATING

- Action Equipment Company Inc.
- Ameri-Shred Corp.
- BCA Industries
- Best Process Solutions
- Bunting Magnetics Co.
- Mallin Companies, Inc.
- Moley Magnetics Inc.
- OBC Industrial
- Prab Inc.
- Precision Husky Corporation
- RCBC Global, Inc.
- Shred-Tech
- Vecoplan, LLC
- Wendt Corp

### OTHER CONVEYORS

- Action Equipment Company Inc.
- Andela Products
- BCA Industries
- Bunting Magnetics Co.
- F V Evans Engineering Limited
- Hallco Industries Inc.
- Moley Magnetics Inc.
- MPI (Magnetic Products Inc.)
- OBC Industrial
- Prab Inc.
- Shred-Tech
- Sierra International Machinery, LLC
- Tufner Weighing Systems
- Warren & Baerg Manufacturing, Inc.
- Wendt Corp.

If you **RUN** a high volume operation

and things like bale weight, up-time, durability, safety, serviceability and cleanliness are important...

THEN **RUN WITH THE BEST BUILT BALER!**



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

marenengineering.com  
800-875-1038  
sales@marenengineering.com



## E-Scrap Materials

### AUTOMATED SORTATION

Ameri-Shred Corp.  
Dynamic Lifecycle Innovations  
Eldan Inc.  
Engineered Recycling Systems, LLC  
Holmatro  
Moley Magnetics Inc.  
OBC Industrial  
Sesotec Inc.  
SICON America  
Steinert US  
Wendt Corp.

### CRT EQUIPMENT (GLASS CUTTING & SEPARATION)

Andela Products  
Dynamic Lifecycle Innovations  
Holmatro  
Moley Magnetics Inc.  
OBC Industrial  
SICON America  
swissRTec America, Inc.

### SHREDDERS

BCA Industries  
Holmatro  
OBC Industrial  
Recycling Equipment Inc.  
Vecoplan, LLC

### OTHER E-SCRAP PROCESSING EQUIPMENT

Action Equipment Company Inc.  
Ameri-Shred Corp.  
BCA Industries  
Bunting Magnetics Co.  
Dynamic Lifecycle Innovations  
Eldan Inc.  
Engineered Recycling Systems, LLC  
F V Evans Engineering Limited  
Holmatro  
International Baler Corporation  
Metso  
Moley Magnetics Inc.  
OBC Industrial  
SICON America  
ShredSupply, Inc.  
Shred-Tech  
swissRTec America, Inc.  
Tufner Weighing Systems  
Umicore

## Glass Processing

### CRUSHERS

Andela Products  
Blackrock Plastics, LLC  
Dynamic Lifecycle Innovations  
Flipscreen  
OBC Industrial  
Sebright Products, Inc.  
SP Industries Inc.

### PROCESSING PLANTS

Andela Products  
Dynamic Lifecycle Innovations  
OBC Industrial

### PULVERIZERS & GRINDERS

Andela Products  
Dynamic Lifecycle Innovations  
OBC Industrial

### OTHER GLASS PROCESSING

Andela Products  
Blackrock Plastics, LLC  
Dynamic Lifecycle Innovations  
Shred-Tech  
OBC Industrial  
Steinert US

## Loaders & Forks

### AUTO SALVAGE FORKS

Liftomatic Material Handling, Inc.  
Mack Manufacturing Inc.  
National Attachments, Inc.

### BUCKET FORKS

Liftomatic Material Handling, Inc.

Mack Manufacturing Inc.  
National Attachments, Inc.  
Solesbee's Equipment & Attachments

### MINI LOADERS

ASV Holdings, Inc.  
Liftomatic Material Handling, Inc.  
MPI (Magnetic Products Inc.)  
National Attachments, Inc.

### WHEEL LOADERS

Hitachi Construction Machinery  
Loaders America, Inc.  
Liftomatic Material Handling, Inc.  
Midwest Equipment  
National Attachments, Inc.

### SKID STEER LOADERS & FORKS

ASV Holdings, Inc.  
Liftomatic Material Handling, Inc.  
Mallin Companies, Inc.  
National Attachments, Inc.  
Solesbee's Equipment & Attachments

### OTHER LOADERS & FORKS

Action Equipment Co. Inc.  
ASV Holdings, Inc.  
Attachments International  
CPM Di Piu Systems  
Flipscreen  
Liftomatic Material Handling, Inc.  
Mack Manufacturing Inc.  
Mallin Companies, Inc.  
National Attachments, Inc.  
Precision Husky Corporation  
SDLG

## Material Handlers & Processing

### AIR CLASSIFIERS

Eldan Inc.  
Mallin Companies, Inc.  
SICON America  
Vecoplan, LLC  
Wendt Corp.

### AIR KNIVES

Action Equipment Company Inc.  
Bunting Magnetics Co.  
SICON America  
Wendt Corp.

### GRAPPLES

Action Equipment Company Inc.  
Builrite Manufacturing  
Buffalo Turbine LLC  
Equipment International  
Indeco North America  
Iron Ax  
Kenco Corporation  
Kinshofer  
Mack Manufacturing Inc.  
Mallin Companies, Inc.  
Moley Magnetics Inc.  
Morbark Inc.  
Precision Husky Corporation  
Sierra International Machinery, LLC  
Solesbee's Equipment & Attachments

### MAGNETS & MAGNETIC SEPARATORS

Action Equipment Company Inc.  
BCA Industries  
Bunting Magnetics Co.  
Engineered Recycling Systems, LLC  
Equipment International  
Iron Ax  
Mallin Companies, Inc.  
Moley Magnetics Inc.  
MPI (Magnetic Products Inc.)  
OBC Industrial  
Prab Inc.  
Puritan Magnetics, Inc.  
Sennebogen LLC  
SICON America  
Steinert US  
Vecoplan, LLC  
Wendt Corp.  
Winkle Industries, Inc.

### OPTICAL SORTERS

Mallin Companies, Inc.  
OBC Industrial

Sesotec Inc.  
SICON America  
Steinert US  
Wendt Corp.

### SCREENS

Action Equipment Company Inc.  
Andela Products  
BCA Industries  
Engineered Recycling Systems, LLC  
Flipscreen  
Komptech Americas  
KPI-JCI and Astec Mobile Screens  
Moley Magnetics Inc.  
Precision Husky Corporation  
OBC Industrial  
SICON America  
Vecoplan, LLC  
Vermeer Corporation  
Wendt Corp.

### WEIGHING & HANDLING EQUIPMENT

Best Process Solutions  
Builrite Manufacturing  
Equipment International  
Fairbanks Scales Inc.  
Fuchs USA  
Maren Balers & Shredders  
MPI (Magnetic Products Inc.)  
OBC Industrial  
Sennebogen LLC  
Tufner Weighing Systems

### OTHER MATERIAL HANDLERS

Brokk Inc.  
Engineered Recycling Systems, LLC  
Equipment International  
Flipscreen  
Fuchs USA  
Interstate Batteries Recycling, LLC  
Iron Ax  
Kenco Corporation  
Kinshofer  
KPI-JCI and Astec Mobile Screens  
MPI (Magnetic Products Inc.)  
OBC Industrial  
SDLG  
Sennebogen LLC  
Shred-Tech  
Sierra International Machinery, LLC  
Solesbee's Equipment & Attachments  
Tufner Weighing Systems

## Metal Processing

### BALERS (VERTICAL & HORIZONTAL)

Al-jon by C&C Mfg  
Ely Enterprises Inc.  
Engineered Recycling Systems, LLC  
Excel Manufacturing, Inc.  
Harmony Enterprises, Inc.  
Harris  
Holmatro  
International Baler Corporation  
Iron Ax  
Maren Balers & Shredders  
Metso  
OBC Industrial  
RCBC Global, Inc.  
Sebright Products, Inc.  
Sierra International Machinery, LLC  
SP Industries Inc.  
Wendt Corp.

### CRUSHERS

Al-jon by C&C Mfg  
Holmatro  
Kinshofer  
KPI-JCI and Astec Mobile Screens  
OBC Industrial  
Prab Inc.  
SP Industries Inc.

### METAL SORTING SYSTEMS

Action Equipment Company Inc.  
BCA Industries  
Best Process Solutions  
Bunting Magnetics Co.  
Engineered Recycling Systems, LLC  
Flipscreen  
Holmatro  
Moley Magnetics Inc.

MPI (Magnetic Products Inc.)  
OBC Industrial  
RCBC Global, Inc.  
Rigaku Analytical Devices  
SICON America  
Sierra International Machinery, LLC  
Steinert US  
Wendt Corp.

### SHEARS (ALLIGATOR & GUILLOTINE)

Al-jon by C&C Mfg  
Atlas Copco  
Holmatro  
Indeco North America  
Iron Ax  
Kinshofer  
Metso  
Moley Magnetics Inc.  
National Attachments, Inc.  
OBC Industrial  
RCBC Global, Inc.  
Sierra International Machinery, LLC  
Wendt Corp.

### SHREDDERS

Al-jon by C&C Mfg  
BCA Industries  
Holmatro  
OBC Industrial  
Prab Inc.  
Wendt Corp.

### SWEAT FURNACES

Holmatro  
Recycling Services Intl, LLC.

### WEAR PARTS

Holmatro  
OBC Industrial  
SICON America  
Wendt Corp.

### OTHER METAL PROCESSING

Brokk Inc.  
CPM Di Piu Systems  
Crow Environmental  
E-Z Crusher/R.M. Johnson Company  
F V Evans Engineering Limited  
Flipscreen  
Holmatro  
Kinshofer  
Metso  
RCBC Global, Inc.  
Recycling Services Intl, LLC.  
Sebright Products, Inc.  
Shred-Tech  
Sooner Scale Inc.  
Tufner Weighing Systems  
Umicore

## Miscellaneous

### COMPUTER SOFTWARE

Harmony Enterprises, Inc.  
Hollander

### DECALS & PROMOTIONAL PRODUCTS

Pro-Tainer, Inc.

### DUST CONTROL

Engineered Recycling Systems, LLC  
Mallin Companies, Inc.  
National Attachments, Inc.  
Recycling Services Intl, LLC.  
Sicon America LP

### SAFETY PRODUCTS

Brokk Inc.  
Crow Environmental  
Holmatro  
Industrial Netting  
Mallin Companies, Inc.  
Recycling Services Intl, LLC.

### SERVICES

Baler Service Company  
DADE Auctions  
DADE Capital Corp.  
Insurance Office of America  
VZN Group, LLC.

### OTHER MISCELLANEOUS

Best Process Solutions  
Brokk Inc.  
ClearSpan Fabric Structures

DADE Capital, Corp.  
Foam Equipment & Consulting Co.  
Mallin Companies, Inc.  
Recycling Services Intl, LLC.  
RRS (Resource Recycling Systems Inc.)  
Stern Consulting  
Tufner Weighing Systems  
Umicore  
VZN Group, LLC.

## Organics & Composting

### CHIPPERS

Bandit Industries, Inc.  
BCA Industries  
DuraTech Industries International Inc.  
Morbark Inc.  
National Attachments, Inc.  
Precision Husky Corporation  
Vecoplan, LLC  
Vermeer Corporation

### SHREDDERS, GRINDERS, & HOGS

Action Equipment Company Inc.  
BCA Industries  
DuraTech Industries International Inc.  
Evashred Shredders, New Zealand  
F V Evans Engineering Limited  
Indeco North America  
Komptech Americas  
Morbark Inc.  
National Attachments, Inc.  
OBC Industrial  
Shred-Tech  
Vecoplan, LLC  
Vermeer Corporation

### TUB GRINDERS

Action Equipment Company Inc.  
Armorhog®  
Bandit Industries, Inc.  
DynaHog  
HogZilla Grinders  
Morbark Inc.  
National Attachments, Inc.  
Precision Husky Corporation

### SCREENS

Action Equipment Company Inc.  
BCA Industries  
CPM Di Piu Systems  
F V Evans Engineering Limited  
Flipscreen  
National Attachments, Inc.  
Precision Husky Corporation  
RRS (Resource Recycling Systems Inc.)  
Steinert US  
Vermeer Corporation

### OTHER ORGANIC PROCESSING

Flipscreen  
International Baler Corporation  
RRS (Resource Recycling Systems Inc.)  
Shred-Tech

## Paper Processing

### BALERS

Baler Service Company  
CPM Di Piu Systems  
Ely Enterprises Inc.  
Engineered Recycling Systems, LLC  
Excel Manufacturing, Inc.  
Harmony Enterprises, Inc.  
Harris  
International Baler Corporation  
Maren Balers & Shredders  
OBC Industrial  
Pro-Tainer, Inc.  
RCBC Global, Inc.  
Recycling Equipment Inc.  
Sebright Products, Inc.  
Sierra International Machinery, LLC.

### BALING WIRE SYSTEMS & SUPPLIES

Ely Enterprises Inc.  
Harmony Enterprises, Inc.  
International Baler Corporation  
Maren Balers & Shredders

OBC Industrial  
Recycling Equipment Inc.

### OPTICAL SORTERS

OBC Industrial

### SHREDDERS

BCA Industries  
OBC Industrial  
Pro-Tainer, Inc.  
Recycling Equipment Inc.  
Vecoplan, LLC

### SORTING LINES

OBC Industrial  
RCBC Global, Inc.  
Recycling Equipment Inc.  
Steinert US

### OTHER PAPER PROCESSING

Ameri-Shred Corp.  
Blackrock Plastics, LLC  
CPM Di Piu Systems  
F V Evans Engineering Limited  
OBC Industrial  
ShredSupply, Inc.  
Shred-Tech  
Tufner Weighing Systems

## Plastic Processing

### CLEANING SYSTEMS

Blackrock Plastics, LLC  
CPM Di Piu Systems  
OBC Industrial

### DENSIFIERS

CPM Di Piu Systems  
Ely Enterprises Inc.  
Foam Equipment & Consulting Co.  
Harris  
OBC Industrial  
Sebright Products, Inc.  
Sierra International Machinery, LLC  
Warren & Baerg Manufacturing, Inc.

### EXTRUDERS & PELLETIZERS

Blackrock Plastics, LLC  
CPM Di Piu Systems  
OBC Industrial

### GRANULATORS

BCA Industries  
Foam Equipment & Consulting Co.  
Herbold Meckesheim USA  
OBC Industrial  
Republic Machine, Inc.  
Shred-Tech  
Vecoplan, LLC

### MECHANICAL SEPARATION

Ameri-Shred Corp.  
Bunting Magnetics Co.  
Foam Equipment & Consulting Co.  
OBC Industrial  
Shred-Tech  
Vecoplan, LLC

### OPTICAL SORTERS

F V Evans Engineering Limited  
OBC Industrial

### PERFORATORS

Foam Equipment & Consulting Co.  
OBC Industrial  
Steinert US

### SHREDDERS

BCA Industries  
OBC Industrial  
Recycling Equipment Inc.  
Republic Machine, Inc.  
Vecoplan, LLC

### WEAR PARTS

OBC Industrial  
Recycling Equipment Inc.  
Vecoplan, LLC

### OTHER PLASTIC PROCESSING

International Baler Corporation  
MPI (Magnetic Products Inc.)  
OBC Industrial  
Sebright Products, Inc.  
Shred-Tech  
Sierra International Machinery, LLC  
Tufner Weighing Systems  
Vecoplan, LLC

## Tire & Rubber Recycling

### BALERS

AutoDrain  
E-Z Crusher/R.M. Johnson Company  
Eagle International  
International Baler Corporation  
Harmony Enterprises, Inc.  
Maren Balers & Shredders  
OBC Industrial  
RCBC Global, Inc.  
Sierra International Machinery, LLC

### GRANULATORS

BCA Industries  
Eldan Inc.  
Komptech Americas  
OBC Industrial  
RCBC Global, Inc.  
Shred-Tech  
Wendt Corp.

### SHREDDERS

Ameri-Shred Corp.  
AutoDrain  
Bandit Industries, Inc.  
BCA Industries  
Eagle International  
Evashred Shredders, New Zealand  
F V Evans Engineering Limited  
Komptech Americas  
Morbark Inc.  
OBC Industrial  
RCBC Global, Inc.  
Republic Machine, Inc.  
Shred-Tech  
Vecoplan, LLC

### OTHER TIRE & RUBBER RECYCLING

AutoDrain  
BCA Industries  
Eldan Inc.  
E-Z Crusher/R.M. Johnson Company  
HogZilla Grinders  
OBC Industrial  
RCBC Global, Inc.  
Shred-Tech  
Tufner Weighing System

## Trucking Equipment & Transportation

### CRUSHED CAR HAULERS

Brothers Equipment  
Demco  
Industrial Netting  
Prairie Trailer

### LIVE FLOOR TRAILERS

Brothers Equipment  
Hallco Industries Inc.  
KNL Holdings-Steco Trailers  
Prairie Trailer

### TRUCKS

Brothers Equipment  
Demco  
Mallin Companies, Inc.  
ShredSupply, Inc.

### OTHER TRUCKING EQUIPMENT

Brothers Equipment  
Demco  
Industrial Netting  
ShredSupply, Inc.  
Smartlift USA  
Tufner Weighing Systems

## Waste & Recycling Collection

### COLLECTION BINS

Ameri-Kart Waste Handling Products  
Bayhead Products  
Call2Recycle, Inc.  
Harmony Enterprises, Inc.  
Holmatro

Mallin Companies, Inc.  
Max-R  
Meese  
Prab Inc.  
Smartlift USA  
SP Industries Inc.

### MULTI-FAMILY EQUIPMENT SYSTEMS

F V Evans Engineering Limited  
SP Industries Inc.

### ROLL-OFF TRAILERS & HOOK-LIFT SYSTEMS

Brothers Equipment  
Harmony Enterprises, Inc.  
Holmatro  
Smartlift USA

### TRAILERS

Brothers Equipment  
Demco  
Hallco Industries Inc.  
Holmatro  
KNL Holdings-Steco Trailers  
Mallin Companies, Inc.  
Prairie Trailer  
Pro-Tainer, Inc.

### TRUCKS

Brothers Equipment  
Holmatro  
Mallin Companies, Inc.  
New Way Trucks  
Shred-Tech

### OTHER WASTE & RECYCLING COLLECTION

Ameri-Kart Waste Handling Products  
Bayhead Products  
Call2Recycle, Inc.  
Flipscreen  
KPI-JCI and Astec Mobile Screens  
New Way Trucks  
RRS (Resource Recycling Systems Inc.)  
Shred-Tech  
Sierra International Machinery, LLC  
Tufner Weighing Systems

## Used Equipment

DADE Auctions  
DADE Capital Corp.  
Ely Enterprises Inc.  
Equipment International  
Green Machine Sales LLC  
Harmony Enterprises, Inc.  
RCBC Global, Inc.  
Recycling Services Intl, LLC.  
ShredSupply, Inc.  
Shred-Tech

Hindsight is

2020



**American Recycler**

NewsVoice of Salvage, Waste and Recycling

Don't pass up your FREE standard listings in the 2020 Buyer's Guide!

Contact us today to learn more about upgrades, and make sure you're included alongside competitors next year!



877-777-0043

www.americanrecycler.com  
sales@americanrecycler.com

# Directory

## 3TEK

201 E Shady Grove Rd.  
Grand Prairie, TX 75050  
888-755-3383  
www.3tek.com  
bill@3tek.com



## VIBRATORY EQUIPMENT

### ACTION EQUIPMENT CO. INC.

PO Box 3100  
Newberg, OR 97132  
503-537-1111  
www.actionconveyors.com  
sales@actionconveyors.com

Action Equipment Company, Inc. manufactures heavy duty vibratory screening and processing equipment for the efficient handling of bulk materials. Action's successful installations can be found worldwide in foundry, aggregates, wood products, incinerator plants, and recycling industries (C & D debris, commercial waste, wood wastes, MSW, scrap tires, scrap steel, etc).

## ADVANCE TIRE

1000 Rike Dr.  
Millstone Township, NJ 08535  
800-445-6647  
www.advancetires.com  
jerrys@advancetires.com



### AL-JON BY C&C MFG

15075 Al-jon Ave.  
Ottumwa, IA 52501  
641-682-4506  
www.candcmfg.net  
curt.spry@candcmfg.net

Al-jon by C&C designs, manufactures and supplies worldwide a complete line of mobile and stationary ferrous and non-ferrous scrap metal and scrap vehicle crusher and balers. Al-jon by C&C is the full service distributor sales, parts and service for the Bonfiglioli line of portable vertical guillotine scrap metals and scrap car shears and compact scrap metal and scrap vehicle shredders. We also manufacture the Vammas line of large high speed/high capacity snow removal machines used at major airports.

## AMERICAN BALER

PO Box 29  
Bellevue, OH 44811  
800-843-7512  
www.americanbaler.com  
sales@americanbaler.com

## AMERI-SHRED CORP.

3490 US 23 N  
Alpena, MI 49707  
800-634-8981  
www.ameri-shred.com  
info@ameri-shred.com

## ASV HOLDINGS, INC.

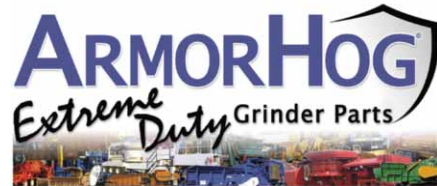
840 Lily Ln.  
Grand Rapids, MN 55744  
800-205-9913  
www.asvi.com  
sales@asvi.com



### ANDELA PRODUCTS

493 State Route 28  
Richfield Springs, NY 13439  
315-858-0055  
www.andelaproducts.com  
info@andelaproducts.com

Andela Products manufactures equipment and systems for glass; mixed/broken glass, bottle, plate, windshield, CRT/TV. Pulverizers, breakers, trommel screens, surge hoppers and conveyors are custom designed for selective reduction and separation of glass from residue. Products are cullet or pulverized glass, a processed glass aggregate without sharp edges.



### ARMORHOG®

14 Commerce Dr.  
Sabetha, KS 66534  
785-284-3454  
www.cwmill.com  
sales@armorhog.com

ArmorHog®, a division of CW Mill, focused on providing top quality, extreme duty replacement parts including screens, tips, hammers, and other replacement parts for all brands and models of industrial grinders, specializing in RIGID HAMMER grinding applications. ArmorHog is the extreme duty brand of aftermarket grinder parts for all grinders.



### AUTODRAIN

Wakefield Rd., Rothwell Haigh  
Leeds, West Yorkshire, LS 26 0SB, UK  
+44-113-288-0022  
www.autodrain.net  
pauldixon@autodrain.net

AutoDrain has traded for over 15 years and developed a reputation for providing durable and effective equipment for the depollution of End of Life Vehicles. In recent times the company has begun a program of change that has seen internal investment, recruitment and the ongoing development of both product range and processes. This drive to improvement has delivered not only growth in our original market but a diversification into rails, transport and manufacturing sectors.

### BALER SERVICE COMPANY

14209 Norby Rd.  
Grandview, MO 64030  
816-889-8916  
www.balerservicekc.com  
rick@balerservicekc.com

## BANDIT INDUSTRIES, INC.

6750 Millbrook Rd.  
Remus, MI 49340  
989-561-2270  
www.banditchippers.com  
pbalhorn@banditchippers.com

### BAYHEAD PRODUCTS

173 Crosby Rd.  
Dover, NH 03820  
603-742-3000  
www.bayheadproducts.com  
sales@bayheadproducts.com



### BCA INDUSTRIES

4330 W. Green Tree Rd.  
Milwaukee, WI 53223  
414-353-1002  
www.bca-industries.com  
john@bca-industries.com

BCA Industries designs and builds shredders and shredder systems complete in the USA for metals, electronics, batteries, tires, wood, C & D, plastics, product destruction. BCA makes high torque shredders that are the only true portable shredders, mobile diesel and stationary shredders, complete custom systems for shred and separation and the world's only single pass sizing chipper shredders for all industries. Conveyors, screens and magnets too.

## BENLEE INC.

30383 Ecorse Rd.  
Romulus, MI 48174  
734-890-6822  
www.benlee.com  
tobolskij@benlee.com

### BEST PROCESS SOLUTIONS

1071 Industrial Pkwy. N.  
Brunswick, OH 44212  
330-220-1440  
www.bpsvibes.com  
sales@best.vibes.com

### BLACKROCK PLASTICS, LLC

215 East Bay St., Suite 301  
Charleston, SC 29401  
843-593-8042  
www.blackrockplastics.com  
bruceb@blackrockplastics.com

### BOBCAT COMPANY

PO Box 6000  
West Fargo, ND 58078  
877-745-7814  
www.bobcat.com

### BOMAC CARTS

201 Badger Pkwy.  
Darien, WI 53114  
262-882-5000  
www.bomaccarts.com  
sales@bomaccarts.com



### BROTHERS EQUIPMENT

1335 E. 171st St.  
Cleveland, OH 44110  
216-458-0180  
www.brosequip.com  
sales@brosequip.com

Manufactures Ace roll-off trailers, lugger hoists, crushed car haulers, intermodal dump chassis and transfer trailers. Since 1938, Ace has been building the ultimate heavy-hauling equipment built for every application.

## BROKK INC.

1144 Village Way  
Monroe, WA 98272  
360-794-1277  
www.brokk.com  
info@brokk.com

### BUFFALO TURBINE LLC

180 Zoar Valley Rd.  
Springville, NY 14141  
716-592-2700  
www.buffaloturbine.com  
brian.singer@buffaloturbine.com



### BUILTRITE MANUFACTURING

530 Recycle Center Dr.  
Two Harbors, MN 55616  
218-834-5555  
www.builtrite.com  
ukausch@builtrite.com

Builtrite specializes in the manufacture of stationary electric material handlers, truck mounted material handlers, and a suite of attachments for the scrap recycling and waste handling industries. All products are manufactured in Two Harbors, Minnesota, USA.



### BUNTING MAGNETICS CO.

500 S Spencer Rd. PO Box 468  
Newton, KS 67114  
316-284-2020  
www.buntingmagnetics.com  
jthiessen@buntingmagnetics.com

Bunting Magnetics Co. offers cutting-edge solutions for the recycling industry. Our innovative applications for material handling, magnetic separation, and metal detection protect your valuable equipment from damage, and keep your product free of contamination. Shop our selection of shredders, grinders, separation conveyors, metal detectors, eddy currents, magnet applications, and more!

## CALL2RECYCLE, INC.

1000 Parkwood Circle, Suite 200  
Atlanta, GA 30339  
877-231-1297  
www.call2recycle.org  
communicate@call2recycle.org

### CATERPILLAR INC.

501 SW Jefferson St.  
Peoria, IL 61614  
888-614-4328  
www.caterpillar.com

### CLEARSPAN FABRIC STRUCTURES

1395 John Fitch Blvd.  
South Windsor, CT 06074  
860-528-1119  
www.clearspan.com  
npulyado@esapco.com

### COLMAR USA INC.

3790 Commerce Ct., Suite 100  
Wheatfield, NY 14120  
716-693-9877  
www.colmarequipment.com  
info@colmarequipment.com

### COLUMBUS MCKINNON CORP.

1920 Whitfield Ave.  
Sarasota, FL 34243  
800-848-1071  
www.cmworks.com  
charles.astafan@cmworks.com

**CPM DI PIU SYSTEMS**

2975 Airline Circle  
Waterloo, IA 50703  
319-232-8444  
www.cpm.net  
gilbertt@cpm.net

CPM Di Piu Systems is a manufacturer of Briquette Presses for use in multiple industries. Whether it is wood waste, MSW, metals, metal sludge or other material we have the densification press for you. We can help you reduce your disposal costs or create a new revenue stream.

**CRIGLER ENTERPRISES INC.**

6721 Discovery Blvd.  
Mableton, GA 30126  
408-874-4401  
www.crigler.com  
krenzi@crigler.com

**CROW ENVIRONMENTAL**

89 Fairview Lane  
Staunton, VA 24401  
540-255-4909  
www.crowenvironmental.co.uk  
msseq@comcast.net

Crow Environmental is your solution for fluid extraction, ATEX CAT shears, CAT de-canning. We offer turn-key solutions. Our gasoline extraction system is ATEX compliant and can do both gasoline and diesel.

**DADE AUCTIONS, INC.**

6546 Weatherfield Ct., Suite C-2  
Maumee, OH 43537  
419-931-9000  
www.auctions.dadecapital.com  
auctions@dadecapital.com

Dade Auctions coming in early 2019! Selling equipment for the salvage, recycling & waste industries exclusively. Equipment to sell? Call us and we'll get it listed! Interested in bidding & buying? Sign up today to get pre-qualified and receive all auction notices!

**DADE CAPITAL CORP**

6546 Weatherfield Ct., Suite C-2  
Maumee, OH 43537  
419-931-9000  
www.dadecapital.com  
financing@dadecapital.com

Since 1985 DADE Capital has provided equipment financing for vendors and customers exclusively in the salvage, recycling and waste industries. We re-market and finance customers' used equipment through our website and American Recycler News.

**DEMCO PRODUCTS**

4010 320th St.  
Boyden, IA 51234  
800-543-3626  
www.demco-products.com  
rick.schoenfelder@demco-products.com

Demco Gondola trailers - different name, same great quality. Ask about our new 53 foot Gondola trailer with 7 foot sidewalls! Demco Gondola trailers are your lightweight alternative for hauling scrap.

**DURATECH INDUSTRIES INTERNATIONAL INC.**

PO Box 1940  
Jamestown, ND 58401  
701-252-4601  
www.duratechindustries.net  
info@duratechindustries.net

**DYNAHOG**

14 Commerce Dr.  
Sabetha, KS 66534  
785-284-3454  
www.dynahog.com  
sales@dynahog.com

DynaHog® offers high performance grinder parts for your swig hammer style tub grinder, horizontal grinder, and other hammermill applications. Quality hammermill screens, hammers, other parts and grinder service are available for Jones, Haybuster, WHO, and other brands. Hammermill rotor repair and balancing, or hammermill replacement is also available.

**DYNAMIC LIFECYCLE INNOVATIONS**

N5549 County Rd. Z  
Onalaska, WI 54650  
608-781-4030  
www.thinkdynamic.com  
ksmith@thinkdynamic.com

**E-Z CRUSHER/R.M. JOHNSON COMPANY**

PO Box J, 890 Norway Dr.  
Annadale, MN 55302  
800-328-3613  
www.ezcrusher.com  
dave@ezcrusher.com

Manufacturer since 1971 of quality recycling equipment. The E-Z car crusher and E-Z balers have been at the top of recycling equipment industry for years. Second generation family owned business. The Only Crusher company that stood up to the ever changing market.

**EAGLE INTERNATIONAL**

825 Main St.  
Lyons, NE 68038  
605-242-5213  
www.eagle-equipment.com  
eagle@brehmer.com

**ELY ENTERPRISES INC.**

3809 Broadway Ave.  
Lorain, OH 44052  
216-252-8090  
www.elyent.com  
jason@elyent.com

**ELDAN INC.**

6311 Inducon Corporate Dr., Unit 14  
Sanborn, NY 14132  
716-731-4900  
www.eldan-recycling.com  
kmm@eldan-recycling.com

Eldan Recycling is recognized as a world leader in supplying equipment for profitable recycling. We offer you equipment developed and based on 60 years experience, manufactured in our own factory and delivered to several hundred satisfied customers worldwide. Our markets include tires, cable, WEEE and other nonferrous materials.

**ENGINEERED RECYCLING SYSTEMS LLC**

1769 Armitage Ct.  
Addison, IL 60101  
770-954-8780  
info@engineeredrecycling.com  
www.engineeredrecycling.com

Engineered Recycling Systems, LLC (ERS) is the industry leader in customized metals processing and separation systems with the highest recovery rates. ERS incorporates the finest equipment technology, along with their expansive knowledge and industry expertise, to provide customers with the most innovative and integrated systems.

**EQUIPMENT INTERNATIONAL**

13780 E Rice Place, Suite 102  
Aurora, CO 80015  
800-472-0453  
www.materialhandlers.net  
ivan@equipint.com

**EVASHRED SHREDDERS**

59 Montgomery Crescent  
Upper Hutt, Wellington, North Island  
New Zealand 5018  
644-526-9512  
www.evashred.co.nz  
sales@evansengineering.co.nz

**EXCEL MANUFACTURING, INC.**

778 West 12th St.  
St. Charles, MN 55972  
800-475-8812  
www.excelmfg.com  
info@excelmfg.com

**F V EVANS ENGINEERING LIMITED**

59 Montgomery Crescent  
Upper Hutt, Wellington, North Island  
New Zealand 5018  
644-526-9512  
www.evashred.co.nz  
sales@evansengineering.co.nz

**FAIRBANKS SCALES INC.**

821 Locust St.  
Kansas City, MO 64106  
816-471-0231  
www.fairbanks.com  
iadel@fairbanks.com

**FEDERAL EQUIPMENT CO**

8200 Bessemer Ave  
Cleveland, OH 44127  
216-271-3500  
www.fedequip.com  
justin@fedequip.com

**FLIPSCREEN**

10990 Petal St., Suite 300  
Dallas, TX 75238  
469-892-2050  
www.flipscreen.net/usa/  
joshua@flipscreen.net

The Flipscreen is a simple, robust, high-volume screening bucket. It economically and efficiently sorts all types of materials on-site by using a smooth rotating action to screen with no shaking or vibrating. We manufacture 26 models of Flipscreen for skid steers, excavators, wheel loaders, back hoes and telehandlers.

**FUCHS USA**

11001 Electron Dr.  
Louisville, KY 40299  
502-631-0714  
www.terex-fuchs.com  
john.vanruitenbeek@terex.com

**GRANUTECH-SATURN SYSTEMS**

201 E Shady Grove Rd.  
Grand Prairie, TX 75050  
877-582-7800  
www.granutech.com  
sales@granutech.com

With fifty years' experience in industrial recycling machine design, manufacturing and service, Granutech Saturn Systems is a world-leading innovator and manufacturer of high performance industrial shredders, grinders and granulators, powderizers, and refiner mills. With thousands of systems installed, our customers span a wide variety of recycling material processing across the globe.

**HALLCO INDUSTRIES INC.**

PO Box 505  
Tillamook, OR 97141  
800-542-5526  
www.hallcoindustries.com  
richard@hallcoindustries.com

Featuring the Unique Accelerator™ Technology, Hallco Live Floors are some of the fastest unloading floors in the recycling industry. Hallco designs and builds the best floor system for your recycling trailers. Whether single stream or sorted, call Hallco today to help choose the right floor system for your application.

**HARMONY ENTERPRISES, INC.**

704 Main Ave. N  
Harmony, MN 55939  
507-886-6666  
www.harmony1.com  
lpowell@harmony1.com

**HARRIS**

315 W.12th Ave.  
Cordele, GA 31015  
229-273-2500 ext 289  
www.harrisequip.com  
jeff.ham@harrisequip.com

Harris offers the industry's finest customer service, most advanced design and engineering capabilities. For more than 125 years, Harris has remained an industry leader in the manufacturing of ferrous and nonferrous processing equipment. Our equipment is backed by a well-trained, worldwide distribution organization, supported by a large staff of factory technicians, and large parts inventories at both distributor sites and the manufacturing plants. For more information visit [www.harrisequip.com](http://www.harrisequip.com)

**HERBOLD MECKESHEIM USA**

130 Industrial Dr.  
North Smithfield, RI 02896  
888-612-7774  
www.herboldusa.com  
info@herboldusa.com

**HOLMATRO**

mastering power

505 McCormick Dr.  
Glen Burnie, MD 21061  
www.holmatro.com  
hfalter@holmatro-usa.com

A Holmatro industrial tool offers flexible, applicable and controlled power. High quality products for almost any application you can think of. Our extensive product range contains a large number of high-pressure hydraulic and mechanical. Tools include hydraulic cylinders, lifting tools, hand tools, hydraulic pumps, system components, tensioning hydraulics and propeller sets.

**HOGZILLA GRINDERS**

14 Commerce Dr.  
Sabetha, KS 66534  
785-284-3454  
www.hogzilla.com  
hogzilla@cwmill.com

HogZilla® MONSTER Grinders are for waste reduction, recycling, land-clearing, construction & demolition or any other tough grinding application. HogZilla® is built extra-heavy duty in sizes ranging from mid-sized to MASSIVE, can be configured with diesel or electric power, and as stationary, fifth-wheel portable, track mounted, or as a mounted grapple unit.

**HITACHI CONSTRUCTION MACHINERY LOADERS AMERICA, INC.**

60 Amlajack Blvd.  
Newnan, GA 30265  
770-499-7000  
www.hitachiwheelloaders.us  
sales@hitachicm.us  
INDECO NORTH AMERICA  
135 Research Dr.  
Milford, CT 06460  
203-713-1030  
www.indeco-breakers.com  
marketing@indeco-breakers.com

**INDUSTRIAL NETTING**

7861 Setzler Pkwy. N  
Minneapolis, MN 55445  
763-496-6355  
www.industrialnetting.com  
dsavino@industrialnetting.net

**INTERNATIONAL BALER CORPORATION**

5400 Rio Grande Ave.  
Jacksonville, FL 32254  
800-231-9286  
www.intl-baler.com  
sales@intl-baler.com

International Baler has been a leader in the design and manufacturing of commercial and industrial recycling equipment since 1946. We offer over 200 different models of vertical balers, closed-door horizontals, open-end auto-ties, and two-ram balers, as well as expertise in systems engineering, customer support services, and application consultation.

**INTERSTATE BATTERIES RECYCLING, LLC**

12770 Merit Dr. Suite 1000  
Dallas, TX 75251  
972-715-6694  
www.interstatebatteries.com/recycling  
tod.lyons@ibsa.com

A leader in lead battery auto and other SLA battery recycling across North America, Interstate Batteries recycles over one billion pounds of scrap lead batteries annually. We offer competitive pricing, quick pick-up and quick payment for full truckloads or less than truckload quantities. Please call us toll free at 888-872-4001.

**IRON AX**

9276 Highway 1 Bypass, PO Box 190  
Wadley, GA 30477  
478-252-0022  
www.ironax.com  
ironax@ironaxsales.com

Iron Ax manufactures the Enviro Rack, Iron Pack Baler, Iron Ax Shear, grapples and material handlers.

**INSURANCE OFFICE OF AMERICA**

1855 W State Route 434  
Longwood, FL 32750  
800-243-6899  
www.ioausa.com

**INTEC VIDEO SYSTEMS INC.**

23301 Vista Grande Dr.  
Laguna Hills, CA 92653  
949-859-3800  
www.intecvideo.com  
danama@intecvideo.com

**KENCO CORPORATION**

170 State Route 271  
Ligonier, PA 15658  
800-653-6069  
www.kenco.com  
tblack@kenco.com

**KINSHOFER**

6420 Inducon Dr., Suite G  
Sanborn, NY 14132  
800-268-9525  
www.kinshofer.com  
f.martin@kinshofer.com

**KNL HOLDINGS-STECO TRAILERS**

PO Box 760  
Paragould, AR 72450  
870-236-7753  
www.stecotrailer.com  
dwilliams@knllc.com

**KPI-JCI AND ASTEC MOBILE SCREENS**

700 W. 21st St.  
Yankton, SD 57078  
800-542-9311  
www.kpijci.com  
mail@kpijci.com

**KOMPTECH AMERICAS**

6345 Downing St.  
Denver, CO 80216  
720-890-9090  
www.komptechamericas.com  
info@komptechamericas.com

Komptech Americas is a leading supplier of machinery and systems for the treatment of solid waste for recycling and biomass material as a renewable energy source. Our product range includes over 30 types of machines covering all key processes in modern waste handling, including shredding, separating, screening and compost turning.

**KUHN EQUIPMENT**

335 Jedburg Rd.  
Summerville, SC 29483  
843-873-8333  
www.kuhnequipment.com  
info@kuhnequipment.com

**FUEL RECOVERY SOLUTIONS™**

725 Main St.  
Chula Vista, CA 91911  
619-777-9135  
www.lambfuels.com  
kezin@lambfuels.com

Lamb Fuels specializes in the purchasing of clean, reusable excess fuel such as gasoline and diesel. Operating in 14 states west of the Mississippi, our staff of professional fuel recyclers can help you maximize profits and generate more return on all of your EOL vehicles. Call us today for a quote!

**LEFORT AMERICA**

10895 NW 50th St  
Sunrise, FL 33351  
954-916-7379  
www.lefortamerica.com  
n.leblanc@lefortamerica.com

**LIFTOMATIC MATERIAL HANDLING, INC.**

700 Dartmouth Ln.  
Buffalo Grove, IL 60089  
847-325-2930  
www.liftomatic.com  
info@liftomatic.com

**MACK TRUCKS**

7900 National Service Rd.  
Greensboro, NC 27409  
800 866-1177  
www.macktrucks.com  
stephen.tercha@macktrucks.com

Mack Manufacturing, a leader in industrial material handling attachments, specializes in heavy-duty hydraulic grapples and buckets for overhead cranes and mobile equipment. Located in Theodore, Alabama, Mack's facility is fully equipped to complete every step of attachment manufacturing and remanufacturing tasks under one roof, from engineering to precision machining to final finish.

**MALLIN COMPANIES, INC.**

3211 Gardner Ave.  
Kansas City, MO 64120  
816-483-1800  
www.mallincompanies.com  
zach@mallinbros.com

**MAREN BALERS & SHREDDERS**

111 W Taft Dr.  
South Holland, IL 60473  
312-848-9255  
www.marenengineering.com  
rwilliams@marenengineering.com

**MAX-R**

W248 N5499 Executive Dr.  
Sussex, WI 53089  
888-868-6297  
www.max-r.com  
einhof@max-r.com

**MEESE**

1745 Cragmont St.  
Madison, IN 47250  
800-829-4535  
www.meese-inc.com  
drodriguez@modroto.com

**METSO**

11451 Jones Maltsberger Rd.  
San Antonio, TX 78216  
210-491-9521  
www.metso.com  
brain.s.smith@metso.com

**MIDWEST EQUIPMENT**

976 W. 12th St.  
St. Charles, MN 55972  
507-932-4464  
www.gomidwest.com  
dean@gomidwest.com

**MOLEY MAGNETICS INC.**

5202 Commerce Dr.  
Lockport, NY 14094  
716-434-4023  
www.moleymagneticsinc.com  
sales@moleymagneticsinc.com

**MORBARK INC.**

8507 S Winn Rd. PO Box 1000  
Winn, MI 48896  
800-831-0042  
www.morbark.com  
inquire@morbark.com

**MPI (MAGNETIC PRODUCTS INC.)**

683 Town Center Dr.  
Highland, MI 48356  
248-887-5600  
www.mpimagnet.com  
marketing@mpimagnet.com

**MULTIMETCO**

1610 Frank Akers Rd.  
Anniston, AL 36207  
800-824-5092  
www.multimetco.com

**NATIONAL ATTACHMENTS, INC.**

16 Mechanic St.  
Gorham, ME 04038  
207-839-9999  
nationalattachments.com  
sales@nationalattachments.com

**NEW WAY TRUCKS**

PO Box 336  
Scranton, IA 51462  
712-652-3396  
www.newwaytrucks.com

**OBC INDUSTRIAL**

11288 Alameda Dr.  
Strongsville, OH 44149  
216-398-8800  
www.obcindustrial.com  
matt@obcindustrial.com

OBC Industrial is a distributor of both new and used recycling equipment. OBC Industrial can help you establish a recycling program that works for your application. Even if you have a well-established operation, the OBC Method can help you improve material flow, increase efficiency and generate more revenue and savings from your recycling efforts. We also provide rigging, machinery moving, plant relocation, millwright, equipment refurbishing and hydraulic repair.

**OVERBUILT INC.**

780 Westpark Ave. NW  
Huron, SD 57350  
800-352-6469  
www.overbuilt.com  
sales@overbuilt.com

**PAPER AND DUST PROS**

14209 Norby Rd.  
Grandview, MO 64030  
816-966-1473  
www.paperanddustpros.com  
gcoit@paperanddustpros.com

**PRAB INC.**

5801 East N Ave.  
Kalamazoo, MI 49048  
269-382-8200  
www.prab.com  
sales@prab.com

**PRECISION HUSKY CORPORATION**

850 Markeeta Spur Rd.  
Moody, Alabama 35004  
205-640-5181  
www.precisionhusky.com  
sales@precisionhusky.com

Precision products include sawmill and chip mill equipment, in-woods flail debarkers and whole tree chippers. The Husky line includes a complete line of Husky "Brute" Knuckle Boom Loaders. Precision's sixteen models of ProGrind Tub and Horizontal Grinders are designed for industrial, commercial, forestry and waste processing markets, along with six models of horizontal grinders from 100 to 1,200 h.p..

**PRAIRIE TRAILER**

20 Industrial Blvd.  
Morris, MN 56267  
320-589-1771  
www.ptrailer.com  
sales@ptrailer.com

**PRO-TAINER, INC.**

1301 36th Ave. W.  
Alexandria, MN 56308  
800-248-7761  
www.protainer.com  
kylev@protainer.com

**PURITAN MAGNETICS, INC.**

533 S. Lapeer Rd., Suite 100  
Oxford, MI 48371  
248-628-3808  
www.puritanmagnetics.com  
magnet@puritanmagnetics.com

**RCBC GLOBAL, INC.**

131 4th Avenue West, Suite 212  
Hendersonville, NC 28792  
828-696-2111  
www.rcbcglobalinc.com  
recycle@a-o.com

**RECYCLING EQUIPMENT INC.**

2052 Industrial Dr.  
Newton, NC 28658  
704-325-3535  
www.gogreenrei.com  
askrei@gogreenrei.com

**RECYCLING SERVICES INTL, LLC**

20 Roosevelt Blvd.  
Cohoes, NY 12047  
518-241-1168  
www.recyclingfurnaces.com  
rsidave1@gmail.com

**REPUBLIC MACHINE, INC.**

4237 Produce Rd.  
Louisville, KY 40218  
724-584-5580  
www.republicmachine.com  
dmiller@republicmachine.com

**RESOURCE RECYCLING SYSTEMS INC.**

416 Longshore Dr.  
Ann Arbor, MI 48105  
734-996-1361  
www.recycle.com  
mradiwon@recycle.com

As essential components of recovery infrastructure, haulers and MRFs must balance relationships from consumer to end market while operating efficiently and maximizing commodity value. RRS assists haulers and MRFs in optimizing their operations through route analysis, equipment assessment, contract assistance, new material additions, and other services. Visit us at recycle.com.

**RIGAKU ANALYTICAL DEVICES**

30 Upton Dr., Suite 2  
Wilmington, MA 01569  
781-328-1024  
www.rigaku.com/KT100S  
handhelds@rigaku.com

**RM JOHNSON CO.**

890 Norway Dr.  
Annandale, MN 55302  
320-274-3594  
www.ezcrusher.com  
sales@ezcrusher.com

**SAS FORKS**

133 Center Dr., Hwy. 54  
Luxemburg, WI 54217  
877-727-3675  
www.sasforks.com  
adam@sasforks.com

**SDLG**

304 Volvo Way  
Shippensburg, PA 17257  
877-823-1111  
www.sdlgna.com

**SEBRIGHT PRODUCTS INC.**

127 N. Water St.  
Hopkins, MI 49328  
800-253-0532  
www.sebrightproducts.com  
jean@sebrightproducts.com

Compaction and recycling equipment for oil filters, foam, pulp-paper rejects, full containers; PET, aluminum, aseptic, paperboard. Product destruction, separation for brand protection, clean, safe, efficient recycling both product and packaging. Integrated Brix meters available. XCYCler, mill-size bales; Xtractor, same process without baling, no moisture deductions. XSizer, reliable glass breaking-sizing.

**SENNEBOGEN LLC**

1957 Sennebogen Tr.  
Stanley, NC 28164  
704-347-4910  
www.sennebogen-na.com  
sales@sennebogenllc.com

**SESOTEC INC.**

1234 Hardt Circle  
Bartlett, IL 60103  
815-451-9764  
www.sesotec.us  
tracey.hartje@sesotec.com

**SHREDFAST, INC.**

13026 W McFarlane Rd., Bldg C-2  
Airway Heights, WA 99001  
800-299-8437  
www.shredfast.com  
ryans@shredsupply.com

**SHREDSUPPLY, INC.**

13026 W. McFarlane Rd. Bldg. C-2  
Airway Heights, WA 99001  
866-520-8762  
www.shredsupply.com  
ryans@shredsupply.com

**SHRED-TECH**

295 Pinebush Rd.  
Cambridge, ON N1T 1B2 Canada  
519-621-3560  
www.shred-tech.com  
cbattick@shred-tech.com

Shred-Tech® designs and manufactures mobile and stationary shredding machinery for a variety of waste applications. Everything from e-waste, metals, tires, documents, medical waste, plastics, wood and packaged products can be shredded and recycled. We've installed over 5,000 systems worldwide. Visit www.shred-tech.com or call 800-465-3214 for more details.

**SIERRA INTERNATIONAL MACHINERY, LLC**

1620 E Brundage Ln.  
Bakersfield, CA 93307  
661-327-7073  
www.sierraintl.com  
lyndseym@sierraintl.com

**SICON AMERICA LP**

11390 Old Roswell Rd., Suite 126  
Alpharetta, GA 30009  
678-527-1432  
www.sicon-america.com  
info@sicon-america.com

US-based equipment manufacturer and plant engineering company servicing the metal recycling industry since 1998. Specialized in upgrading product quality, the offered scope includes single-, twin-shaft & vertical shredders, eddy currents, permanent magnets and drums, sensor sorters, multiple airsifters as well as the first-ever EcoScan Online scrap analyzer and LIBS-based LaserSort.

**SMARTLIFT USA**

4330 W. Green Tree Rd.  
Milwaukee, WI 53223  
414-353-1002  
www.smartliftusa.com  
smartlift@gmail.com

Smartlift is a commercial grade hook-lift system for pick-up trucks to be used with waste dumpster cans from 4 yard to 8 yard, flatbed decks for cargo, custom boxes for all kinds of industries. No CDL needed saving labor, insurance and operating costs. Mount in box, on top of box, box removed or cab chassis applications. Dock height or ground height load and unload, it's a tool not a toy. Switch, Swap, Load and Go. Turn your pick-up truck into a profit truck.

**SOLERA | HOLLANDER**

2955 Xenium Lane N., Suite 100  
Plymouth, MN 55441  
800-825-0644  
www.hollandersolutions.com  
marketing@hollanderparts.com

**SOLESBEE'S EQUIPMENT & ATTACHMENTS**

2640 Jason Industrial Pkwy.  
Winston, GA 30187  
800-419-8090  
www.solesbees.com  
DJenkins@solesbees.com

**SOONER SCALE INC.**

2428 SW.14th St.  
Oklahoma City, OK 73108  
800-759-3444  
www.soonerscale.com  
shane@soonerscale.com

**SP INDUSTRIES INC.**

2982 22nd St.  
Hopkins, MI 49328  
1-800-592-5959  
bestcompactors.com  
info@sp-industries.com

**STEINERT US**  
 285 Shorland Dr.  
 Walton, KY 41094  
 800-595-4014  
 www.steinertus.com  
 sales@steinert.de



**STERNER CONSULTING**  
 714 Caspian Ave.  
 Cape May, NJ 08204  
 609-854-3520  
 www.sternerconsulting.com  
 rs@sternerconsulting.com

Sterner Consulting and its principals have been providing M&A Consulting and Valuation Advice to solid waste industry clients for over 30 years. We have acquired or sold, on behalf of our clients, solid waste related assets, companies, permits, and projects totaling over \$1,000,000,000 in transaction value. Our scope of services includes mergers and acquisitions and business enterprise valuation services for the largest environmental and solid waste businesses in the world, and with hundreds of smaller closely held waste and environmental industry businesses and operating facilities, since 1992.

**SWISSRTEC AMERICA, INC.**  
 PO Box 930  
 Exeter, NH 03833  
 603-435-3440  
 www.swissrtec.com  
 bernhard.mueggler@swissrtec.com



**SUPERSHEAR**  
 7235 E. Hampton Ave., 107  
 Mesa, AZ 85209  
 800-999-8100  
 www.supershears.com  
 Idemik@supershears.com

Supershear builds the best catalytic converter tool in the industry. One moving part makes our patented cutting head simple, easy to maintain, and economical. Increase your bottom line. We're not new to the Cat removal business. We've been building and servicing Supershears for over 20 years.



**TUFNER WEIGHING SYSTEMS**  
 1005 Union Center Dr., Suite B  
 Alpharetta, GA 30004  
 770-877-2062  
 www.tufner.com  
 beth@tufner.com

Tufner Weighing Systems, a division of Optima Scale Manufacturing, provides quality industrial scales to handle your weighing needs. With over 20 years of experience, we can help design a system that fits your application. Call me today for a quote and special offer at 770-877-2062.



**UMICORE**  
 A. Greinerstraat 14  
 B-2660 Hoboken, Belgium  
 +32-3-821-77-03  
 www.preciousmetals.umicore.com  
 mark.caffarey@am.umicore.com

Umicore is a global materials technology and recycling group. It focuses on application areas where its expertise in materials science, chemistry and metallurgy makes a real difference. Recycling starts with sampling and assaying of the materials and ends with the return of the valuable or critical metals to the supplier.

**VERMEER CORPORATION**  
 1210 Vermeer Rd. E.  
 Pella, IA 50219  
 641-621-8790  
 www.vermeer.com  
 meul@vermeer.com



**VECOPLAN, LLC**  
 5708 Uwharrie Rd.  
 Archdale, NC 27263  
 336-861-6070  
 www.vecoplanllc.com  
 info@vecoplanllc.com

**VORTEX**  
 12445 E 39TH Ave. Unit 506  
 Denver, CO 80239  
 303-900-4040  
 www.vortexdepollution.com  
 trace@vortexdepollution.com



**VZN GROUP, LLC.**  
 5900 Renaissance Place  
 Toledo, OH 43623  
 419-882-1886  
 www.vzncpa.com  
 admin@vzncpa.com

**WALTRON TRAILERS, INC.**  
 55 Marsh St.  
 Ridgeway, ON N0P 2C0 Canada  
 519-674-5488  
 www.waltrontrailers.com  
 info@waltrontrailers.com

**WARREN & BAERG MANUFACTURING, INC.**  
 39950 Rd. 108  
 Dinuba, CA 93618  
 559-591-6790  
 www.warrenbaerg.com  
 info@warrenbaerg.com

**WENDT CORP.**  
 2555 Walden Ave.  
 Buffalo, NY 14225  
 716-391-1200  
 www.wendtcorp.com  
 sales@wendtcorp.com

**WINKLE INDUSTRIES, INC.**  
 2080 W.Main St.  
 Alliance, OH 44601  
 330-823-9730  
 www.winkleindustries.com  
 sales@winkleindustries.com



**\$95,000**

**2006 Case  
 721 Loader  
 w/SAS  
 Engine Puller**



**FINANCING AVAILABLE! ONE-PAGE APPLICATION**



www.DADEAuctions.com  
 Call or Click Today



**DADE Auctions**  
**800-823-9688**  
 www.DADEAuctions.com