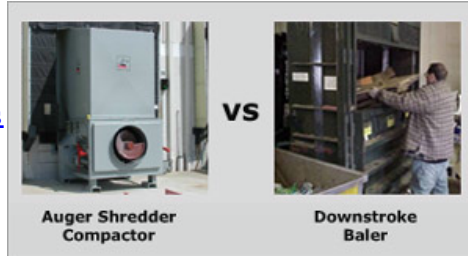


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Auger Shredder Compactor vs. Downstroke Baler

Why Challenge the Existing Technology?

What can the *Auger Shredder Compactor* offer that would make it more appealing than the Downstroke Baler?



The *Downstroke Baler*, the staple for over 40 years for grocery, retail and discount stores as well as for small industries, etc., offers a relatively low up front equipment cost for reducing volume and producing a product that can go to the recycler, but with considerable operator interface. The Auger Shredder Compactor (the new Green machine) is not only more cost efficient but more appealing from an operational, recycler and environmental aspect.

Auger Benefits over Downstroke Baler

- **Space Saver:**
The Komar Auger Compactor is located outside of building freeing up valuable floor space.
- **Saves Labor:**
The Komar Auger Compactor can handle full size boxes, no more breaking down boxes to get them into the small feed opening of the vertical baler. No more labor to handle and store bales.
- **Faster Processing:**
The auger compactor screw processes continuously instead of cycling up & down with each charge.
- **Eliminates Material Spring Back:**
The tearing action of the auger compactor screw changes the composition of material and eliminates much of the material spring back associated with balers. Material spring back hinders the feeding operation of balers.
- **Safer:**
Manual operation of vertical down stroke balers often poses high safety risks to the operator. Feeding bale wire and removing bales from the baler often cause injury to employees.
- **Save Money:**
No bale wire to buy or be back charged on, as material is compacted directly into 40 cu. yd. receiving container by the Komar Auger Compactor.
- **Clean Building, Clean Yard:**
No storage required for bales in the parking area, inside the building or in a trailer at a valuable loading dock. Immediate & continuous processing of the auger eliminates a cluttered work area found around balers.
- **Environmentally Friendly:**
Operation of the all electromechanical Komar Auger Compactor saves energy, reduces noise, and eliminates hydraulic oil spills associated with vertical downstroke balers.
- **Easy To Operate:**
Komar Auger Compactors can be fed manually through the large in feed opening of the fully enclosed in feed hopper or be equipped with an in feed cart dumper system. For continuous conveyor systems, the Komar Auger Compactor is ideally suited to maintain continual processing and eliminating conveyor stoppage.
- **Shreds & Compacts:**
The shredding & tearing action of the Komar Auger Compactor screw reduces the volume of the corrugated boxes and flats and maximizes container loads for transportation to recycling centers. The piece size generated is highly desirable for recycling center high density balers that produce mill spec bales. This eliminates the need to break apart bales that do not meet weight or size requirements.

New Green Machine Offers a New Approach!



Our customers know it takes more than green paint to make a compactor environmentally friendly. [Learn More >](#)

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The *Auger Shredder Compactor*, the essence of the All Green Machine, operating with an energy efficient all electric mechanical drive, eliminates the hydraulic noise and hazardous oil leaks of conventional balers and compactors. The time consuming reciprocal action of the traditional ram cylinder required by balers and compactors is replaced with the continuous forward processing motion of the auger screw, which reduces energy consumption and increases the speed of operation, reducing labor by up to five times. This New Green Machine meets the environmental needs of today's markets.

Compare Feed and Functional Operations!

The *Auger Shredder Compactor* offers a number of safe and time efficient options for feeding the material to the processing area, including:

1. direct feed into the back or side of the unit through feed enclosure at a load height of 42" (may include a full security door with electric interlocks)
2. cart dumpers for 1 to 2 cubic yard carts;
3. fully enclosed hoppers with safety gate for fork lift and manual loading;
4. conveyor feed.

The auger screw will process material as long as feed is supplied, the watchman controls will automatically disengage the auger screw operation when the material has been processed. When a new cycle is initiated by the operator the process is repeated until the pre-full condition is reached activating the "pre-full" warning light and allowing up to 24 hours additional operating time after the operator calls for a container exchange and pickup.

The Downstroke Baler offers a direct interface feed, where material is brought to the unit and manually fed through the gated top door at a height of about 49" (a conveyor located at the back of the machine is offered by a few mfg. to reduce loading time). A large flat sheet is normally inserted on the floor of the baler before starting baling and again on the top when completed, providing the bale a cover sheet when the bale is completed. The labor intensive baling process starts by manually inserting boxes and flats into the 60" x 28" charge until they reach the top or until the operator cannot insert additional material. The operator closes the safety gate, stands to the side of the baler and pushes the start button to begin the compacting cycle. The platen compacts the material, reversing on a signal from the limit switch or the hydraulic pressure switch. The ram then reciprocates to the home position, opening the safety gates as it returns. The bale locks and the lower bale door reduce the ever present spring back of material (common with materials such as corrugated). Each cycle generates additional spring back in the feed area, reducing the feed surface and requiring the material to be broken down before being placed in the feed opening. This creates additional operator time. When the baler has reached a predetermined bale height, the baler will shut down indicating a completed bale for the operator to remove. The operator manually opens the lower baler door and places bale tie wires (purchased from the recycler or the mill) through the bottom slots in the baler floor. Now the importance of the bottom & top cover sheets can be appreciated. The operator manually pushes the wire through the floor slots and platen slots, utilizing the returns at the back of the machine to help align the returning wire through the top slots in the platen of the ram. If the machine does not have the returns, the operator must go to the back of the baler and hand wire the ties through the platen. When the wires appear at the front of the platen, the operator will manually tie off each tie. Laying a pallet in front of the bale chamber, the operator will engage the chain bar, or dumping plate, to expel the bale. The operator then moves the bale into storage outside (in the building or semi-truck) for pickup.

Questions To Consider In Your Selection:

No matter what business you are in, you want the maximum return on your investment in a waste system. Waste/scrap removal has proven to be a costly expense for all companies. Whether you are selling your scrap or just having it removed by the local waste hauler, you are always looking for the solution that will reduce your cost and add to your bottom line. The intrigue of making money from scrap by selling it at the highest market price may be a false trail for many businesses and the proverbial question must be asked "*what what business are you in?*" We start off trying to save money and ease handling of our waste, but the dollar quoted for processed material may be too enticing to resist and end up clouding our decision making. Depending on the market, the quoted price maybe offset by a number of factors above the cost of equipment such as:

1. required space for the system, materials needed to perform the process and how valuable square footage is to your operation;
2. delivery of the material to processing equipment and the speed of processing;

3. labor required to do the process;
4. labor to transport materials from the process to a storage area;
5. cost of the temporary storage, outdoor storage may have environmental problems, indoor storage may take up valuable operational space, trailer space may eat up valuable dock space and special handling.
6. security problems and theft;
7. safety of the process being employed;
8. maintenance.

Machine Providing the Best Return And Ease of Operation?

The *Auger Shredder Compactor* has proven to be cost efficient in waste/scrap removal for most operations, providing:

1. outdoor installation with minimal foot print;
2. security with totally enclosed hoppers, hauler outside container removal controls, processing of product eliminating theft potential;
3. reduced labor with a large charge area and simple operation;
4. environmentally friendly with all electro-mechanical drive and continuous processing, reducing energy by 200% and labor by 5 times;
5. containers picked up by your local recycler, reducing or eliminating your waste hauling and providing income during good market conditions.

The *Downstroke Baler* offers the option of baling waste/scrap but presents additional things that could take away from the bottom line:

1. internal building space required for equipment;
2. higher labor for baling material;
3. higher material handling cost;
4. additional storage cost for bales (indoor, outdoor or dock space for temporary storage or trailer for permanent storage);
5. back charges for incomplete load, cost of baling wire, trucking expense, equipment cost, cost of re-baling of undersized bales and minimal cap price requirements.

In the end, it is not just what you get for a ton of corrugate, but how the bottom line is affected once you look at the overall cost of the waste/scrap solution. The *Auger Shredder Compactor* offers an environmentally friendly solution for your waste/scrap removal that ultimately increases your bottom line.