

ER910 Plus

Dual-Duty Grain Bag Extractor

The grain unloader that makes a complete job of extracting grain from the bag and of automatically ejecting the used plastic as finished bales, all in a single pass.



13,800
bushels/hour



HDPE

High Density Polyethylene, the material of grain bags, is a highly recyclable plastic

With an eye for practical environment care, the ER910 extractor empties the bag and simultaneously cuts and reels in the plastic sheet to release it in the form of two highly compacted bales at work's end, ready for transport to a recycling center.

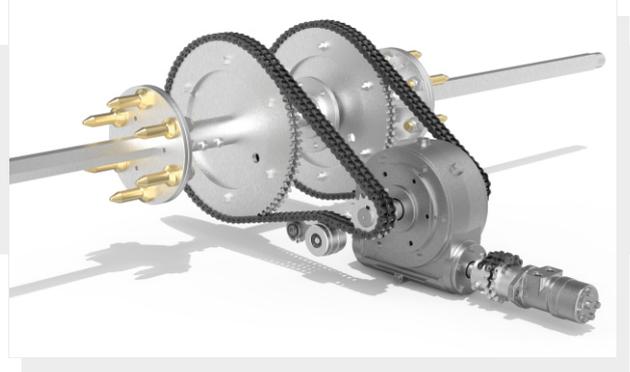
RICHIGER

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The topmost cutter is actually a wire resistance that executes a smooth unforced cut along the bag's entire length, the electric current's intensity adjustable for optimum performance. A backup stainless steel blade can take over should the need arise.

Both roller shafts operate through sprockets and chains driven by a gear case. The latter is connected in turn to a variable speed hydraulic motor that regulates overall velocity and thus the pace at which used plastic is brought in.



The bottom of the bag rides over a free-turning support that directs it to the lowermost blade. This completes partition of the bag in two separate strips that wind around the left and right side rollers.

The rollers can collect 10 ft Ø plastic in lengths of up to 600' at a time. Segments of standard rigid pipe enclose the roller shafts to act as consumable cores around which the used plastic winds up tightly. Additional bags to be emptied can be attached to previously collected plastic to finish off with full sized bales.



To prevent unraveling, the bales are tied by way of a mechanism that delivers twine as the roller assembly is made to rotate. The roller enclosures then slide away from frame and roller shafts, their telescopic sections shifting still further out to detach from the bales.

At this point, with the roller shafts no longer holding them up, the finished bales fall to the ground.



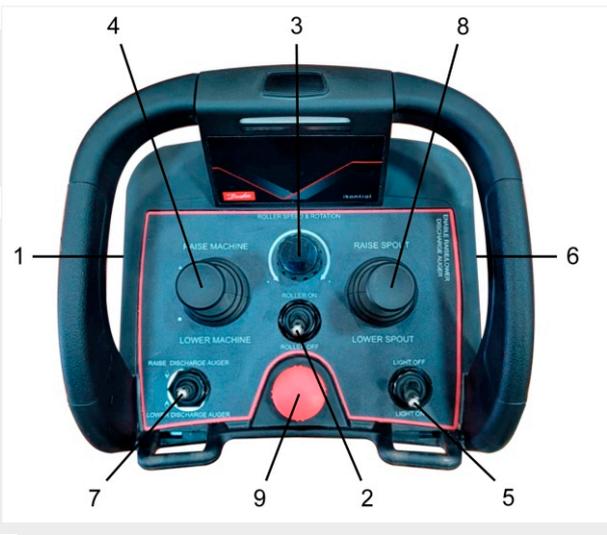


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A movable downspout, actuated either electrically or hydraulically, helps distribute grain evenly.

A standing platform installed atop the extractor permits easy control of all functions by means of a handheld remote transmitter, simultaneously allowing the operator to keep watch of roller action and grain level in the bag and monitor the grain as it is being discharged into the grain cart.



The Danfoss handheld wireless console runs all functions except for sliding enclosure motion which is best operated sideways of the machine when the plastic bales are ready for ejection.

1. Master SWITCH (underside)
2. Rollers & Electric wire ENABLE
3. Rollers RPM/SPIN DIRECTION
4. Cross augers & Frame RAISE/LOWER
5. Lights ON/OFF
6. Discharge auger ENABLE (underside)
7. Discharge auger RAISE/LOWER
8. Downspout RAISE/LOWER
9. Emergency STOP

Full manual controls mounted on the machine frame can handle all tasks as backup of the wireless controls.



Front view, work position



Front view, bale release position



Rear view, transport position



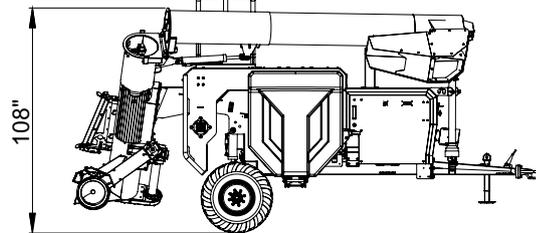
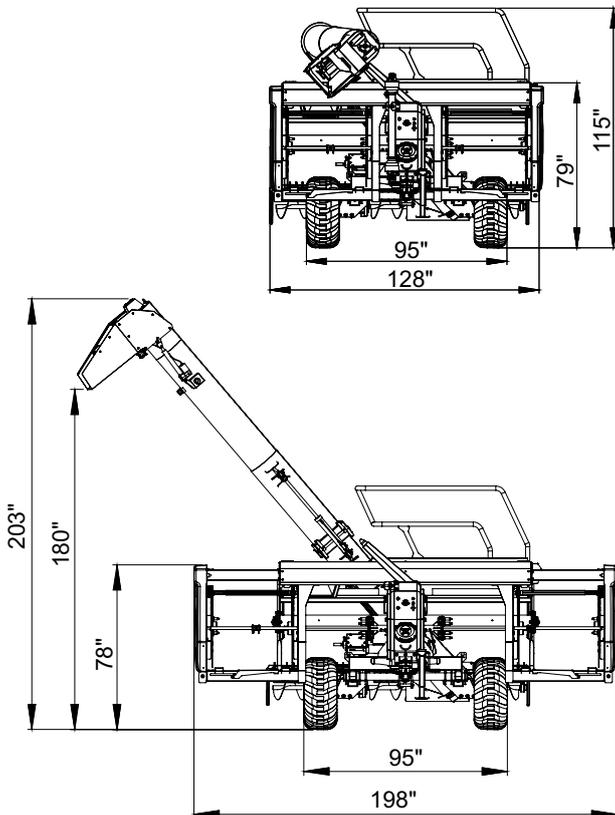
Rear view, left enclosure out



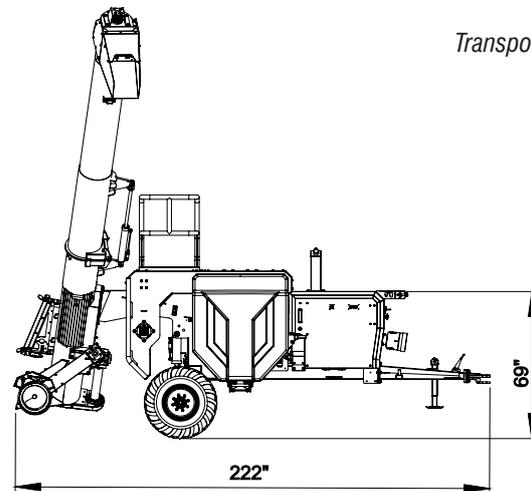
Technical Specifications

Extraction capacity	13,800 bushels/hour (350 t/h)
Power requirement	100 HP at 540 RPM
Discharge auger	14" Ø (350 mm)
Top located cutter	Electrical/Mechanical
Bottom located cutter	Mechanical
Gathering capability per run	600' of plastic sheet (with 10' bags)
Bale tie off system	Semi-automatic w/standard bale twine
Total weight	9,260 lbs (4,200 kg)
Tires	400/60-15.5 12 ply

Dimensions



Transport Position



Work Position

