

COB COLLECTION SYSTEM FOR JOHN DEERE STS COMBINES

Success in the emerging corn cob collection market requires technology that maximizes cob cleaning and collection with minimal impact on harvesting efficiency. Hillco Technologies delivers both with the next generation of versatile, efficient, and economical cob collection equipment.



Single Pass Cob Collection

Single pass cob collection technology assures you're capturing and moving cobs off your field in one simple operation. No other method of cob collection combines maximum cob yield and harvesting efficiency while leaving your field ready for the next planting season.

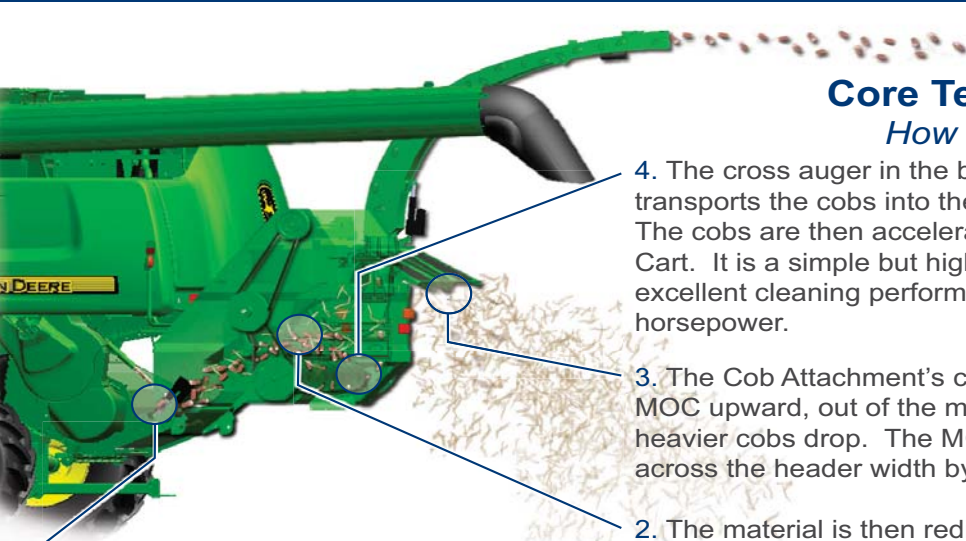
All original combine warranties remain in full effect after the installation of a Hillco Cob Collection System.

Brought to you by the leading manufacturer of Combine Leveling Systems

Advanced Cob Collection Technology - Versatile and Efficient



Hillco's Cob Collection System is the most versatile cob collection equipment on the market today. Choose the right configuration from Hillco's available options to meet the needs of your farming operation.



Core Technology

How It Works

1. Cobs and MOC (material other than cobs) exit the combine's chopper and enter the Cob Attachment's cleaning chamber.
2. The material is then redirected into a rubber curtain that absorbs the material's energy that was added by the combine's straw chopper, stalling and suspending the material to improve separation.
3. The Cob Attachment's cleaning fans draw the MOC upward, out of the material stream, while the heavier cobs drop. The MOC is distributed evenly across the header width by the cleaning fans.
4. The cross auger in the bottom of the cleaning chamber transports the cobs into the Cob Attachment's blower. The cobs are then accelerated up the spout and into the Cob Cart. It is a simple but highly efficient concept that delivers excellent cleaning performance while requiring minimal horsepower.

Offload into a Combine or Tractor Pulled Cart

Weather and field conditions can sometimes make pulling a cart behind the combine impractical. With the versatility of Hillco's cob collection equipment you make the choice to best match your operation and field conditions.

Collect To Spread At The Push Of A Button

When using the combine to pull the cart and not in a position to offload, just switch to Spread mode and evenly distribute residue until the right offloading opportunity arises.

While continuously offloading into a Cob Cart pulled by a tractor, not every field situation will allow you to capture the cobs. Switch to Spread mode to evenly distribute residue until the cart is available and eliminate unnecessary stops during harvest.

The Spread to Collect mode also allows you to select the areas of the field to be collected.

Switching from corn to soybeans is accomplished in a few short minutes utilizing the Cob Attachment's Spread to Collect mode in combination with the quick disengage feature of the Cob Attachment's main belt drive.



Variable Rate Cleaning Technology

With the touch of a button, adjusting the speed of the Cob Attachment's cleaning fans provides the flexibility to collect and clean cobs from 70% to 90%+ cob (by weight). This function allows the operator to accommodate ever-changing field conditions associated with moisture levels and cob varieties.



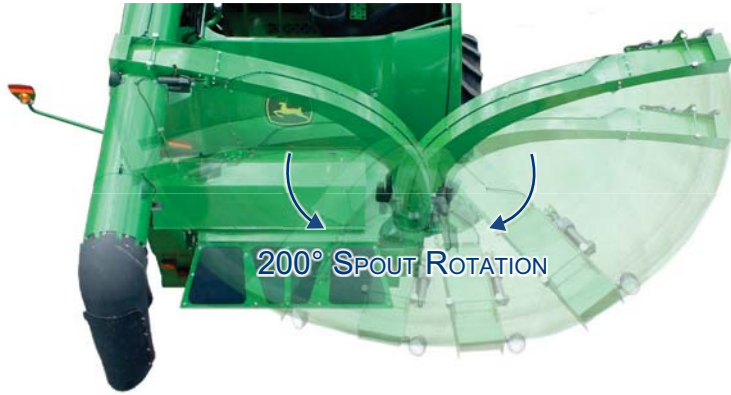
Cob Collection Attachment



Versatile Spout Design

Spout Rotation – The Cob Attachment’s blower spout is equipped with an auto-tracking feature for combine-pulled carts to ensure total collection while cornering. Manual spout rotation allows you to evenly fill tractor-pulled carts.

Spout Tip Control – The spout’s tip can be flexed to vary the discharge height of material as it leaves the spout. This fingertip control makes loading a tractor-pulled cart a breeze.



Light Weight Yet Durable

Both the Cob Attachment and the Cob Cart are built to maximize harvesting efficiency. Pulling overweight carts through the field leads to lost productivity and increases stress to your combine’s frame and drivetrain. This light weight system also minimizes yield-robbing ground compaction.

Operator Friendly

The Cob Attachment controls (and Cob Cart controls if so equipped) are mounted within easy reach of the operator. An integrated camera system provides excellent visibility of the spout’s material stream to optimize loading of tractor-pulled carts or for monitoring cob fill levels in the combine-pulled cart.

Hitch View



Spout View



Compatible With Both Vane and PowerCast Tailboards

The combine must be equipped with a straw chopper to power the Cob Attachment.

Residue Disposal

In Collect mode, fans spread MOC (material other than cobs) up to 30 feet. The Cob Attachment incorporates adjustable vanes to allow for optimum control of residue distribution.

Efficient Mechanical Drive

The Cob Attachment is designed from the ground up to minimize horsepower consumption, leaving you plenty of power to maintain harvesting efficiency. The mechanical drive is far more efficient, than systems operating on hydraulics.

COB COLLECTION CART

Built From the Ground Up for the Biomass Industry



Light Weight At approximately 6,600 pounds (empty) it weighs less than a third of other combine-pulled carts. Less weight means more horsepower for harvesting and less compaction.



42"

Adjustable Swinging Hitch

The swinging hitch allows you to offset the cart 42" left of the combine's centerline to improve offloading.



Quick Disconnect

Utilizing the quick disconnect hydraulic and electrical couplers, detaching the trailer from the combine takes only a few minutes.



Cob Attachment & Cart Controls

User-friendly rocker switches give you simple fingertip control of Cob Attachment and Cob Cart functions.

Helping Fuel the Energy of Tomorrow, Today!

Excellent Balance The cart's drag chain unloading design eliminates the high lift heights required of standard dump carts. The lower lift height means a lower center of gravity for better stability when unloading on sidehills.

Up to 14' Dump Height Excellent for unloading into tall trucks or building large piles.

Fast Dump Cycle Unload a full 650 bushels in under 90 seconds.



Versatile Design The Cob Cart can be pulled behind a combine or a tractor. You choose the right configuration for your operation and harvesting conditions.



Powerful and Efficient

A hydraulic gear pump powers the unloading functions of the Cob Cart. All oil is filtered before returning to the combine's reservoir. A dump valve reduces horsepower usage when the Cob Cart is not unloading or is detached from the combine.

