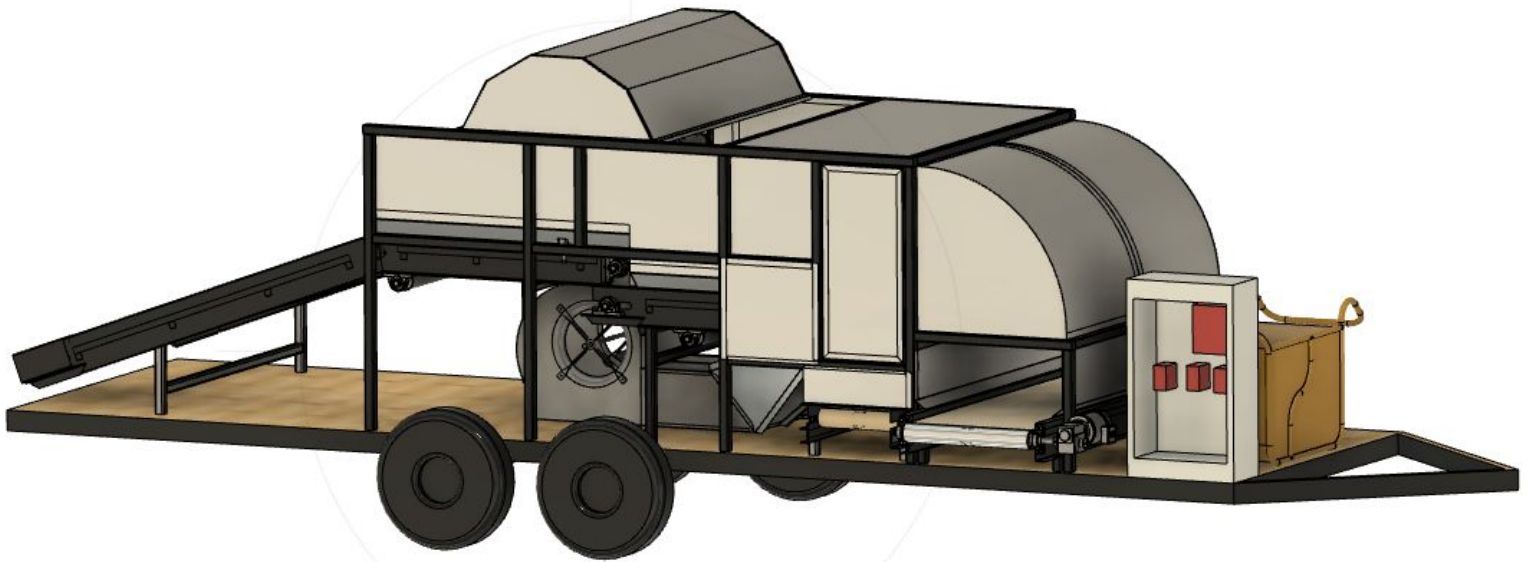


THE PINE BINE



THE ONLY PINE STRAW COMBINE.

*TAKING THE BACKBREAKING LABOR OUT OF
PINE STRAW PRODUCTION!*

LET THE MACHINE HANDLE IT...



SO YOU DON'T HAVE TO.



LESS LABOR, MORE PRODUCTION.

SIT BACK AND RELAX.

Decrease manual labor

Increase production acreage

Improve straw quality

Implement other machinery

Increase product consistency

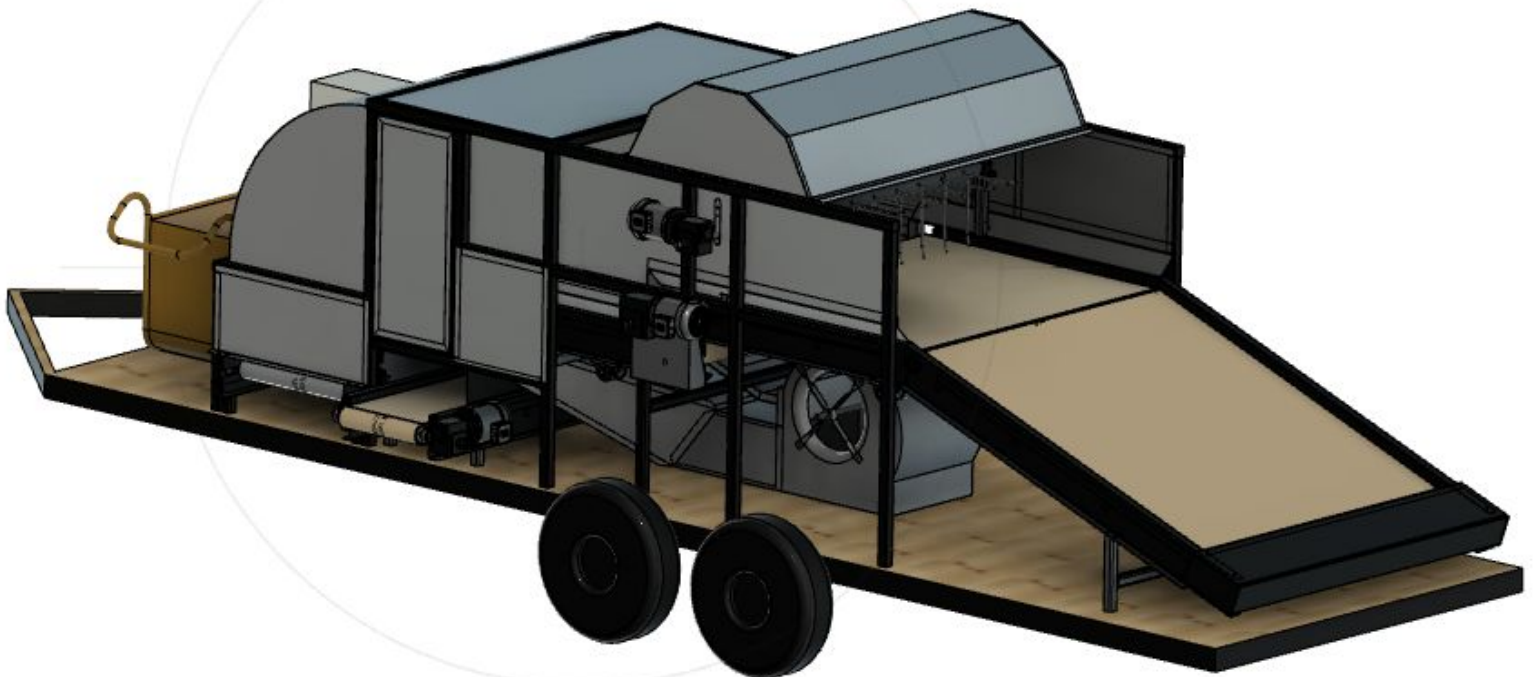
Improve operation flexibility



THE INDUSTRY SPOKE...



THE PINE BINE DELIVERED.



FEATURES

Easy-Load Feed Conveyor

Located on the trailer deck for simplified pine straw loading from round bales, live-bottom trailers, and more.

Improved Doffer Design

Prevents unwanted debris accumulation and effectively conditions pine straw for air separation.

Variable Speed Fan

Enables operation in varying conditions, including moisture, pine straw type, and debris contamination.

Clean Straw Conveyor

Automatically remove clean pine straw to feed mechanical balers or manual balers more efficiently.

Debris Conveyor

Hands-free debris removal for more efficient collection and disposal of sticks, cones, and other debris. Enables debris to be chipped and sold as mulch.

Gas-Powered Generator

Allows operation in remote pine stands where other power options are not available.



CONTROL AT THE TIPS OF YOUR FINGERS.



Feed Conveyor

Direct driven and controlled by a variable frequency drive (VFD), which can adjust speed for different applications.

Secondary Conveyor

Optimized speed ratio between feed and second conveyor based on testing.

Doffer

Bearing mounts allow simple doffer height adjustment for variable throughput. VFD controlled doffer speed allows precise conditioning.

Air Separation Fan

Fan VFD allows dialed-in airflow control from 0-100% for variable pine straw conditions.

Clean Straw Conveyor

Adjustable height baffle allows operation in varying conditions. Clean straw conveyor features optimized direct drive to match standard square baler feed rate.

Debris Conveyor

Carries unwanted material out of the machine. Direct driven at the same rate as the clean straw conveyor.

BUILT TO ENDURE.

Quality fabrication completed locally.

The Pine Bine is manufactured by Strickland Bros. Enterprises in Spring Hope, NC. Strickland is a leader in specialty agricultural equipment design and manufacturing. You can trust Strickland to deliver your Pine Bine!

Tough drivelines for a harsh environment.

WEG fan cooled electric motors coupled with sealed 56C face gearboxes are built to withstand everything a pine stand can throw at them.

Custom fabricated rollers

SBE manufactures conveyor rollers and drive shafts to exacting standards for optimum performance and reliability.

Bearings sized for endurance

Bearing selections are oversized for lightweight pine straw, but are meant to withstand years of rigorous use in harsh environments.

Conveyor belts

Vulcanized conveyor belts shift material effectively through the Pine Bine. For serviceability, machine side channels disassemble and allow access for deep cleaning.

Proudly Made In North Carolina



SPECIFICATIONS

Generator

Manufacturer and Model	Generac GP15000E
Running Watts	15000
AC Voltage	120/240VAC
AC Frequency	60Hz
Rated AC Amperage	125/62.5
Starting method	Electric, with battery included
Fuel capacity	16gal
Displacement	992cc
Recommended Oil	10W30/SAE30
Weight	363lb

Feed Conveyor

1HP 3 phase electric motor
15:1 sealed gearbox
Vulcanized conveyor belt over 14ga sheet metal bed
6 pillow block bearings

2nd Conveyor

Fixed ratio roller chain and sprocket drive from feed conveyor
Vulcanized conveyor belt over 14ga sheet metal bed
4 pillow block bearings

Trash Conveyor

3/4 HP 3 phase electric motor
20:1 sealed gearbox
Vulcanized conveyor belt over 14ga sheet metal bed
4 pillow block bearings

Clean Straw Conveyor

3/4 HP 3 phase electric motor
20:1 sealed gearbox
Vulcanized conveyor belt over 14ga sheet metal bed
4 pillow block bearings

Electrical

VFDs Make and Model	Schneider ATV12H075M2
Controls Enclosure	NEMA 3R rating
Emergency Shutoff Switches	Heavy duty disconnect switches on each side of machine

Trailer

22ft dual axle 8000lb weight capacity
LED Lighting

ABOUT US



TEAM DRIVEN. PRODUCER INSPIRED.

Innovative Agricultural Technologies (IAT) is a mission-driven company focused on improving and sustaining the pine straw industry through the development of new technologies for pine straw harvest. We are headquartered in Carthage, NC in the heart of the Carolina Sandhills region which is well-known for its vast longleaf pine ecosystems. We have proudly worked with the North Carolina Pine Needle Producers Association to understand industry needs and develop the Pine Bine. Help us advance the pine straw industry by reaching out to us today.

CONTACT US

INNOVATIVE AGRICULTURAL TECHNOLOGIES



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