

## ***NUTRIENT APPLICATOR***



***AT5105***



## **AT5105 | APPLICATOR**

The only five-wheel applicator, the Oxbo AT5105 sets the standard for capacity and productivity spreading or injecting large volumes of liquid and dry manure. The combination of the powered front wheel and steerable double bogie rear axles provide additional agility and maneuverability. This versatile machine can be equipped to apply liquid or dry manure, compost or biosolids.







## AT5105

### THE MOST PRODUCTIVE & RELIABLE NUTRIENT APPLICATORS

A true five-wheel applicator, the AT5105 is in a class by itself. Compatible with Oxbo's 6,600 gallon LNMS or the 30-ton DNMS systems, the AT5105 can be customized for manure or biosolids nutrient application. Designed to meet the unique needs of the application industry, the AT5105 delivers a **perfect balance of power, traction, comfort, and easy operation.**

Driver comfort is achieved through a focus on both operator ride quality and ease of operation. The five-wheel chassis was designed to provide a premium ride via the hydraulically controlled cab suspension, reducing driver fatigue during the long work hours required to apply vital nutrients in a limited application window.

The AT5105 is smart enough to apply power and torque, correctly, without the operator making adjustments, so that it pulls through the most difficult ground conditions. The AT5105 senses the slip and does all the work to keep it applying as normal. **Full control in all circumstances**--highly compacted ground to wet spots--**the AT5105 knows exactly how to adjust.**

The AT5105 sets the standard for productivity.



The AT5105 can be operated at **100% productivity from the first day in the seat.**



The combination of mechanical drive and the ZF CVT delivers the most productivity, whether you are injecting or spreading.



The high flotation, five-wheel design of the AT5105 **reduces ground compaction** across ground conditions and application system.



Oxbo's continuous communication between the SCANIA engine and the ZF transmission delivers the **perfect balance of traction and control.** The operator is 100% in control, all the time.

#### ✓ JUMP IN AND GO

**It really is that easy for a new operator.**

Easy to understand screens combined with customized controls designed around nutrient application, the AT5105 operator can be 100% productive and efficient from the first day in the driver's seat.

The AT5105 systems and technology are designed to make every screen, every button, every piece of technology as intuitive as possible.



#### ✓ A MACHINE YOU CAN TRUST

**The AT5105 does the hard work.**

Operators trust the controls, transmission, engine, and permanent, mechanical all-wheel drive to effortlessly work together to pull through even the toughest ground conditions.

The AT5105 balances power, traction, and torque while delivering excellent fuel economy.







**OXBO AT5105 FEATURES**

✓ **ALL-WHEEL DRIVE, ALL-WHEEL STEERING**

The Oxbo AT5104 all-wheel drive and even weight balance ensure a smaller footprint with maximum pulling power. The unique steerable rear axles deliver maneuverability while maximizing load capacity for both dry and liquid system application.



✓ **FLEXIBILITY**

The Oxbo AT5105 can be built with either a Dry Nutrient Management System (DNMS), a Liquid Nutrient Management System (LNMS), or New Leader 5034 spinner box. No matter what or how you need to apply, Oxbo can apply it precisely.



**LOW TOTAL COST OF OWNERSHIP**

The AT5105 features a ZF Transmission, Börger pumps, Scania engine, and Kessler axles because they are the best in the business and provide for long product life, maximum uptime, and minimal maintenance cost.

Oxbo ATs demand some of the highest resale values thanks our robust frame construction and quality components.



**INTEGRATED TECHNOLOGY**

With only the push of a single button, operators utilize the headland sequencing function, which automates the necessary functions when turning to reduce spillage in liquid application.

NIR-ready: Add popular NIR sensors via ISOBUS and enable additional monitoring and automate precise control nutrient application.



**FLOTATION AND LOW GROUND COMPACTION**

- Five wheel design with three unique tire paths reduces compaction on every pass
- Spread 6,600 gallons of liquid or 30 tons of dry nutrients with perfect weight distribution across all five tires -- efficient production with minimal compaction.
- Tire inflation system to deliver low compaction and long tire life across the various nutrient application activities



✓ **BUILT BY OXBO.  
SUPPORTED BY OXBO.**

No matter how you apply nutrients, the Oxbo AT5105 is designed to perform season after season. But, sometimes you need support in the field. So, each AT5105 is backed by our infield parts and service support. Oxbo service for Oxbo equipment.





## DRY NUTRIENT MANAGEMENT: OXBO DNMS

### A COVER MORE GROUND, FASTER

TEBBE spreader with a massive 30 ton-capacity bin to cover more ground with fewer loads and higher infield productivity

### B DURABLE CONSTRUCTION

Wear-resistant Hardox steel bin ensures a long operational life, even in the harsh biosolids environment

### C WEIGHING SYSTEM

An integrated weighing system allows for continual dose feedback and manual dose correction during spreading

### D INDUSTRY LEADING SPREADING

Hydraulic beaters and spinners on separate drives ensuring optimum nutrient placement to deliver consistent yields.

Fully variable spread width – change the spread width while keeping a consistent rate.

Spread up to 60 feet per pass for fewer trips across the field reducing compaction and application time



### ✓ QUICK CONVERT FOR IMPROVED ASSET UTILIZATION

Convert the AT5105 DNMS for use in crop logistics in less than one hour, increasing asset utilization with minimal effort.





## LIQUID NUTRIENT MANAGEMENT: OXBO LNMS



### LARGE PRODUCT TANK

- 6,600 gallon capacity, strong, lightweight polyester tank
- Integrated slosh baffles and laminated piping
- Control tank levels via the pilot screen, for efficient cycle times and to minimize unnecessary trips and ground compaction

### SUPERLOAD ARM

- Load in the field in 1 minute, 45 seconds
- Combines a centrifugal pump, standard lobe pump and a unique by-pass system resulting in reduced pump wear and fuel costs



### HIGHEST QUALITY COMPONENTS

- Cutter and pump designed to optimize slurry flow
- 8-inch diameter piping, minimal bends and standard 9m<sup>3</sup> Börger pump -- optional upgrade to a 12m<sup>3</sup> pump for high rates and wide applicators

### AUTOMATIC LOADING & STOPPING

- Easily preset a load value on the monitor enabling the Superload system to quickly load the right amount, every time
- Fast and accurate loading reduces pump wear, lowering maintenance cost and extending the life of the Superload system



## AT SERIES | FAMILY OF APPLICATORS

Oxbo knows nutrient application, **delivering on the 30-year TerraGator legacy in a modern, advanced line of applicators.** The proven TerraGator chassis design--known for reliable performance and robust components--inspired the Oxbo AT product line. The AT line features better usability, better design, and next generation productivity and driver comfort.

Backed by unmatched product support, the Oxbo ATs are designed to get your product on or in the ground as efficiently and effectively as possible. Oxbo ATs are **the most productive nutrient applicators.**

If you want to keep applying, you want to run an Oxbo.

Each AT features the most reliable, more productive components to keep Oxbo equipment in the field, applying valuable nutrients, in tight application windows.

At Oxbo, we are *Optimizing farming together.*



### AT4103

- Configure for liquid LNMS, biosolid DNMS, and fertilizer application
- 4200 gallon liquid capacity; up to 18 ton biosolid capacity
- Maneuverable three-wheel design delivers the lowest compaction across application types



### AT5105

- Configure for liquid of dray (manure, biosolids, compost) application
- 6600 gal liquid capacity; up to 30 ton manure, biosolid or compost capacity
- Unique five wheel system with double bogie rear axle



## SPECIFICATIONS

Standard Features		
Cabin	Claas Vista 2 cabin with radio, air conditioning, passenger seat, on-board pilot touchscreen and camera system	
Suspension	4-point suspended cabin with hydraulic suspension on the front and pneumatic suspension on the rear	
Lights	Comfortabele LED working lights, Halogen road lights	
Engine		
Engine	Scania DC13 with engine brake	
Output	550 HP - 405 kW @ 1.500 rpm.	
Displacement	13 liters	
Cylinders	6	
Torque	1844 lb-ft	
Alternator	100 Ampère	
Compressor	Compressor with single air dryer, including a 10.5 gallon air tank, and air coupling for air hose. Capacity 26.5 ft³/min at 1,500 rpm	
Cooling	Liquid cooling system for engine, transmission, hydraulic system and intercoolers with reversible fan ZF ECCOM 5.0 CVT transmission, continuously variable from 25 mph or 40 mph, automatic range shifting, no need to stop to shift gears for speed range permanent all wheel drive.	
Transmission		
Transmission	CVT, ZF ECCOM 5.0	
Tires	Standard	Optional
Front	1050/50 R32	1000/55 R32 or row-crop wheels
Rear	1050/50 R32	1000/55 R32 , 1250/50 R32 or row-crop wheels
Transportwidth	130" minimum or 132" max	
Drivetrain		
Front axle	Kessler: hydraulically driven with inside brakes and adjustable traction	
Rear axle	Kessler: mechanically driven with disk or drum brakes and separate parking brakes	
Steering		
Front	Front wheel steering 70 degrees	
Rear	Kessler axle, with double planetary endreduction depending on superstructure	
Speed	25 mph or 40 mph	
Tank Capacities		
Fuel	164 gal standard - optional 92 gal extra	
Hydraulic Oil	53 gal	
AdBlue	16 gal	
System		
Type	Polyester GFK-tank met geïntegreerde leidingen en mix-functie	
Loading capacity	6600 gallons	
Standard Pump	Börger EL1550 2400 gal/min	
Optional Pump	Börger EL2250 3200 gal/min	
Cutter	Vogeslang RC 10.000	
Loading arm	8" suction arm, able to load 9ft deep and 14.75ft high, with a 160 degrees reach	
Systems		
	DMNS	DFNMS
Type	TEBBE spreader box	New leader
Loading capacity	27.5 ton	New leader box 21ft. loading capacity 25 ton
Working width	60 ft, depending on material	N/A
Application rate	min. 2 tons/ha	
Dimesions		
Width	130" minimum or 132" max	
Length	37ft	
Height	12.5ft	