



PRECISION DISK™

500 & 500T AIR DRILLS







PRECISION DISK 500 & 500T AIR DRILLS

2 Models | Toolbar Widths From 25 – 60 Feet

SEEDING TECHNOLOGY THAT MAKES EVERY SEED COUNT.

Field conditions change. Planting windows can suddenly shorten and markets can swing unexpectedly. And through it all, you need to get the most you can from every single seed in the tank. That's why Case IH Precision Disk air drills are designed to maximize your productivity—no matter the residue conditions you're dealing with or crops you plant. Precision Disk air drills are a versatile seeding tool to help you seed a broad range of crops more consistently and effectively. Plus, Precision Disk air drills allow you to seed at higher speeds and spend less time on daily maintenance.

HIT YOUR AGRONOMIC AND YIELD TARGETS.

Agronomic Design means making the most of season, soil and seed. Every plant affects your bottom line, and that's why we design seeding equipment that helps you maximize yield potential, because it all makes a difference—and it all has to work together. Case IH Precision Disk air drills have been designed with an eye on improving your agronomic performance.

High-Efficiency Seeding	4-5
Precision Disk Row Unit	6-7
Precision Disk 500	8-9
Precision Disk 500T	10-11
Frame, Transport and Maintenance	12
Advanced Farming Systems	13
Specifications	14-15



HIGH-EFFICIENCY SEEDING FOCUSES ON A FAST, UNIFORM START.

Establishing consistent, uniform stand throughout the field gives your crops the best chance of reaching their full yield potential. Case IH Precision Disk air drills deliver the seed placement accuracy that creates good seed-to-soil contact for a fast, uniform germination in a variety of tillage systems from full-till to no-till.



OPTIMAL YIELD POTENTIAL FROM EVERY SEED.

- Accurate seed placement with **forward-facing seed tubes** that slow the seed down and help ensure it stays in the trench—whether seeding canola a half-inch deep or soybeans 3 inches deep.
- Parallel-link system ensures **even depth placement** no matter the terrain.
- **Variable down-pressure springs** apply correct pressure to ensure better penetration in varying residue and soil conditions.
- **Large-tire packages** provide maximum support where it counts, reduces compaction and maximizes seeding emergence.

GET MORE SEEDING DONE IN A DAY.

- **Seed at higher speeds** to cover more acres in one day. For example, operating at 8 mph with a 60-foot implement allows you to cover 500 acres in a day.*
- Requires less horsepower to pull than previous Precision Disk air drill designs. This helps you save on fuel costs.
- Enjoy easy serviceability with **welded-frame connections** that increase durability and keep you in the field longer with annual maintenance.
- The rugged frame is designed with center structural steel tubing in a V shape to distribute the weight of the main frame, providing **exceptional weight distribution** in softer fields and stability during transport.

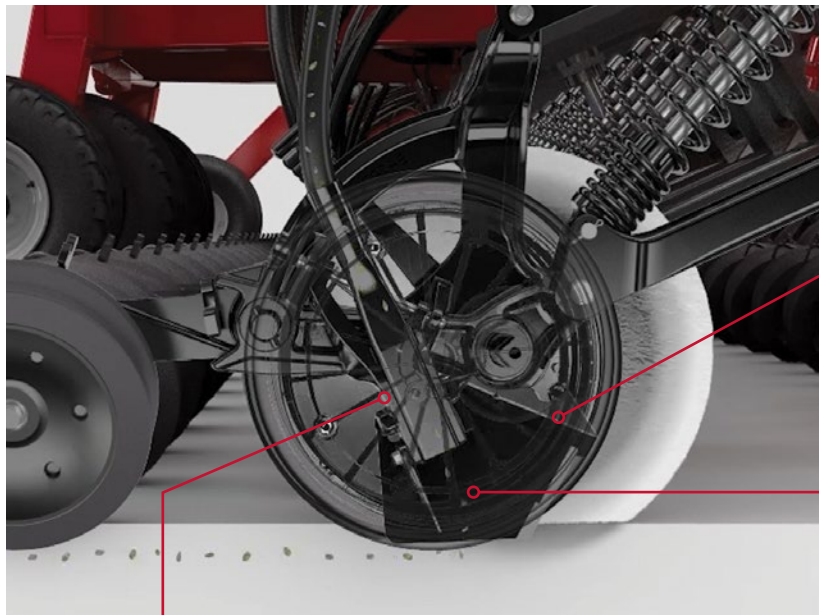
*Calculated using a 10-hour workday while operating at 85 percent efficiency at 8 mph to cover up to 50 acres per hour.

A DISK DRILL BUILT FOR YOUR FIELDS.

- Choose from two model options:
 - The **Precision Disk 500 air drill**, with tow-behind or tow-between configurations, matches the capacity of a Precision Air™ 5 series air cart.
 - The **Precision Disk 500T air drill** is one efficient machine that operates with a 70- or 100-bushel mounted tank.
- Unmatched advanced seed metering options reduce or eliminate overlap at headland turns, point rows or around obstacles in the field.

HIGHER YIELDS START WITH CONSISTENT SEED PLACEMENT.

Precision Disk air drills are built based on Agronomic Design principles, standing up to rugged conditions with exceptional durability. With the goal of maximizing every seed's yield potential, the ground-engaging components of the row unit optimize seed placement accuracy and improve stand establishment.



■ FORWARD-FACING SEED TUBE.

Get more precise placement from tubes that direct seed toward the scraper. This slower path for the seed leads to vertical drop and reduces tumble and hop, so the seed stays in the trench.

■ SCRAPER.

It extends further down the opener to more effectively **guide the seed** into the trench.

■ ANGLED SEED BOOT.

Leads to **consistent and accurate** seed depth and placement.

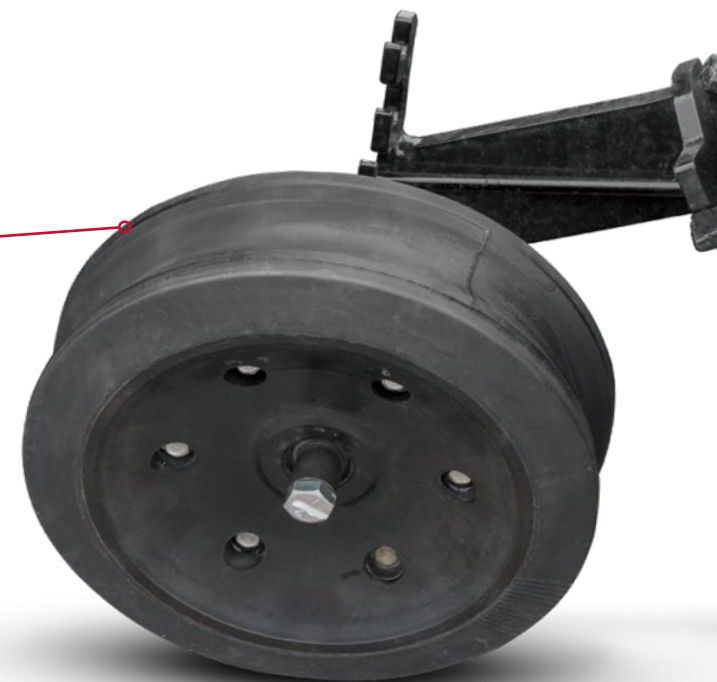
■ IN-CAB HYDRAULIC DOWN PRESSURE CONTROL.

Controls let you adjust to changing field conditions on the go with quickness and ease, from the tractor seat. There is no need for the operator to stop and make down pressure changes by adjusting a drill-mounted valve and gauge.



■ CLOSING SYSTEM FOR ALL SOIL CONDITIONS.

The heavy-duty, smooth-faced concave 4-inch-by-12-inch packer wheel was designed specifically for closing in tough conditions—whether in clay, sandy or both types of soils. The double-edged closing wheel follows behind to **seal the trench effectively** in a variety of conditions.

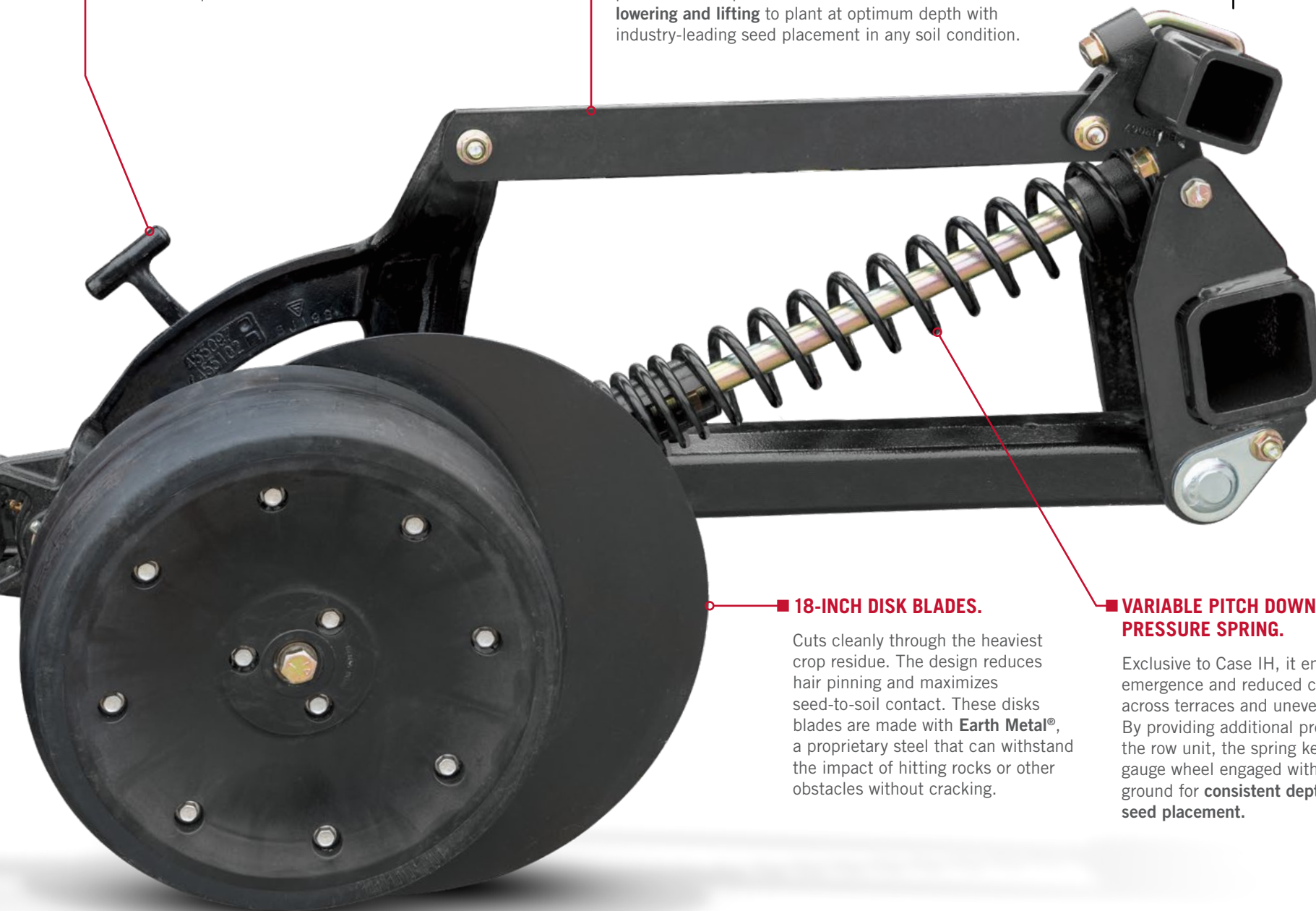
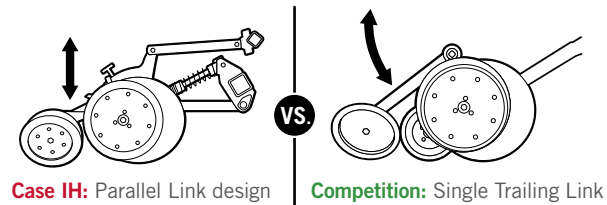


■ NO-TOOLS ADJUSTMENT.

Easily adjust depth from zero to 3.5 inches with a single **spring-loaded T-handle**. The adjustment range is divided into 14 increments, which are labeled for quick visual reference.

■ PARALLEL LINK.

An efficient and innovative design leads to parallel travel of the assembly, which generates consistent coulters depth, seed placement and closing wheel pressure. The opener has two arms that **allow level lowering and lifting** to plant at optimum depth with industry-leading seed placement in any soil condition.



■ 18-INCH DISK BLADES.

Cuts cleanly through the heaviest crop residue. The design reduces hair pinning and maximizes seed-to-soil contact. These disks blades are made with **Earth Metal®**, a proprietary steel that can withstand the impact of hitting rocks or other obstacles without cracking.

■ VARIABLE PITCH DOWN-PRESSURE SPRING.

Exclusive to Case IH, it ensures even emergence and reduced compaction across terraces and uneven terrain. By providing additional pressure on the row unit, the spring keeps the gauge wheel engaged with the ground for **consistent depth and seed placement**.

HIGH-CAPACITY SEEDING WITH PRECISION DISK 500 AIR DRILLS AND PRECISION AIR 5 SERIES AIR CARTS.

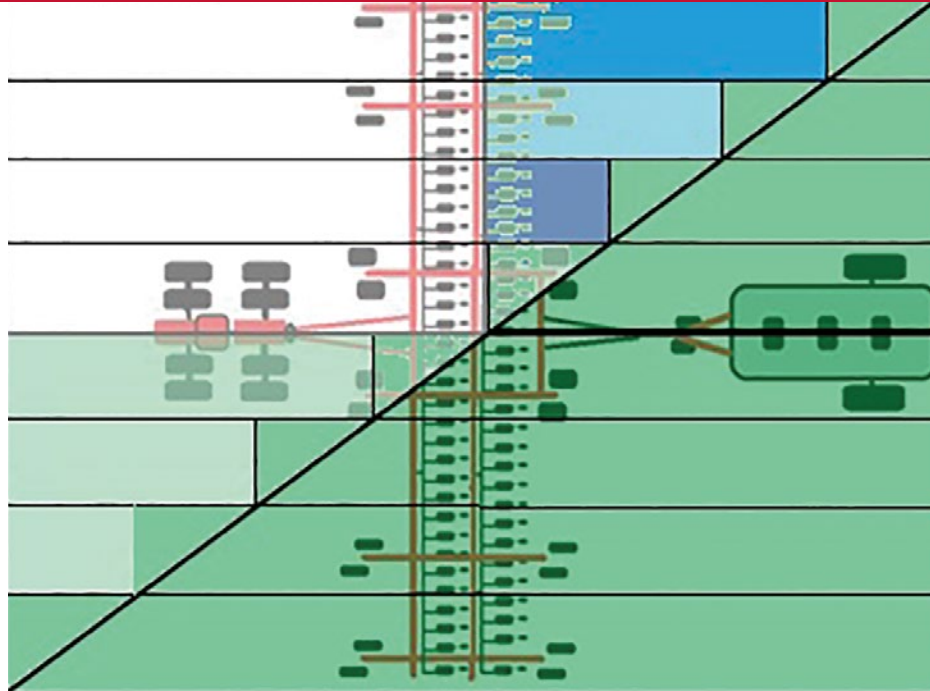
Tow-behind or tow-between configurations of the Precision Disk 500 air drill let you pick the most efficient setup for your operation, and toolbars available in 30-, 40-, 50- and 60-foot widths give you even more options.

BOOST PRODUCTIVITY WITH THE PRECISION AIR 5 SERIES AIR CART.

The **Precision Disk 500 air drill** is designed specifically for use with Precision Air 5 series air cart applications. With capacities from 350 to 950 bushels, these carts are available in tank configurations that have two or three primary compartments. Optional 25- or 35-bushel auxiliary tanks help meet your input needs. You can mix any tank's product with any of the other tanks, giving you maximum flexibility to achieve high efficiency when seeding.

Additional air cart features include:

- AccuSection section control
- In-tank video cameras
- Wireless remote-controlled deluxe auger or conveyor
- ISO11783 compatible
- Optional dual-wheel configuration for row-crop applications
- Also configurable with a high-flotation tire option
- Pressure sensors provide tank status on in-cab display



WIDE RANGE OF CUSTOMIZABLE CHOICES.

- Every toolbar width is available with 7.5- or 10-inch spacing to meet your operation's seed spacing needs. **Lift the front or rear row unit** for seeding in 15- or 20-inch spacing.
- **Variable-rate metering** lets you control seeding rates on the go from inside the cab.
- **Extended wear gauge wheels** that are stubble resistant.
- High Float wheel package for added flotation.
- **In cab down pressure** allows you to quickly adjust for changing field conditions. Plus you can **set three pre-set down pressure settings** to easily toggle between these settings.





VERSATILITY THAT HELPS REACH YOUR GOALS AND THEN SURPASS THEM.

The Precision Disk 500T features a mounted tank with seed metering, four-section overlap control and unmatched maneuverability in the field with 25-, 30- and 40-foot toolbar widths. Benefit from versatility across a wide range, with particularly exceptional performance for cover crops, rice, wheat, soybeans and other small grains.



TANK ENHANCEMENTS FOR CONVENIENCE AND EFFICIENCY.

- From tank positioning and ladder and light components, everything around the tank has been designed to make it **more convenient to load seed**.
- The 70-bushel tank on the 25 and 30 foot machine and 100-bushel tank on the 40 foot machine have a high, rearward mounting position to **easily access the seed meter** and row units below. Plus, a large platform to give you ample room for loading.
- In the cab, the weight is displayed on the AFS Pro 700 display (or an ISO11873-compliant display interface) and **operators are able to better determine seeding rates and schedule product fills**.
- Tank-mounted weigh scale includes a display on the rear tank platform provide **unmatched ease of calibration and loading** to let you operate more efficiently and with less fatigue.
- A flexible **lower bulk fill ladder step** comes standard to prevent damage to the ladder on uneven ground.
- Optional **bulk fill work lights provide lighting** when loading during nighttime hours and added safety.

EASY ADJUSTMENTS, MAINTENANCE AND OPERATION.

- Every toolbar width is available with 7.5- or 10-inch spacing. Front or rear ranks can be easily **lifted and locked up hydraulically** to seed in 15-inch or 20-inch spacing.
- **More even weight distribution** comes from the mounted tank on the Precision Disk 500T, which evenly spreads it across the machine, giving you additional maneuverability while transporting equipment.
- Designed for easy access, the meter box allows **quick adjustment, cleanout and service**. This easy accessibility also allows you to quickly change meter modules to accommodate a wide range of seeds and crop types.
- **Variable-rate metering** lets you control seed rates on the go from inside the cab.
- The opening between the meter and roller can be adjusted; it stays in one location for each crop type, and the meter speed is adjusted for rate control.
- **Extended wear gauge wheels** that are stubble resistant prolong component life in a variety of residue and soil conditions.

CONVENIENCE AND DURABILITY THAT'S EASY TO MAINTAIN.

From welded-frame connections to increase durability to simple folding for transporting, Case IH Precision Disk air drills are designed to add reliability and ease of use to exceptional performance. With a machine that's easy to operate and maintain, you can spend your time and energy focusing on productivity.



RUGGED FRAME DESIGN.

- More **welded-frame connections** increase durability.
- Center structural steel tubing is configured in a V shape for **superior weight distribution**, particularly in softer soils.
- The industry's best wing flex—15 degrees up and 10 degrees down while in the field—provides **consistent and even seeding** on terraces and rough terrain.

TOOLBAR DESIGN.

- Easily change 7.5-inch models to 15-inch spacing and 10-inch models to 20-inch spacing.
- A **single T handle** allows you to easily select and lock in seeding depth with adjustment—no tools necessary.

SIMPLE FOLDING AND TRANSPORTING.

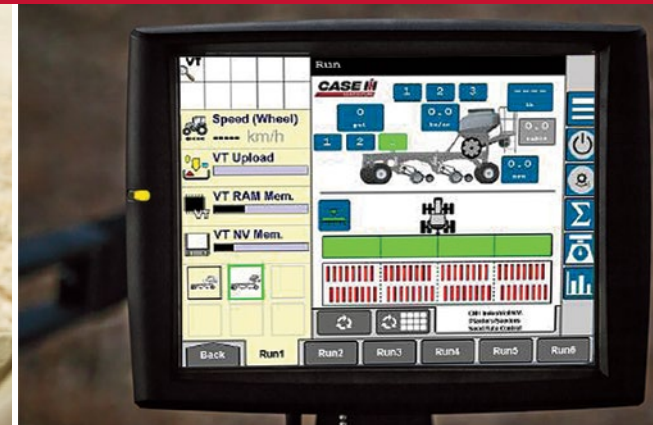
- The **vertical fold design** makes for the lowest transport height in the industry, as well as narrow widths.
- Single and double fold, depending on toolbar size. A **single remote level** in the tractor controls folding and unfolding.
- The V shape of the center structural steel tubing adds **stability and support** during transport.
- Wide profile of transport wheels gives you stability to move the disk drill confidently at roading speeds.

REDUCED MAINTENANCE AND EASY SERVICEABILITY.

- The **open frame design** makes it easy to access all parts of the disk drill.
- A majority of the setup is completed at the factory, which improves reliability and leads to increased uptime.

CONTROL, MONITOR, RECORD FOR DATA-DRIVEN DECISION-MAKING.

Case IH Advanced Farming Systems (AFS) helps you capitalize on all of the advantages and benefits Precision Disk air drills bring to your farm. An ideal companion for your operation, AFS delivers everything from autoguidance that keeps your passes straight to variable-rate application that helps you achieve seeding efficiency to a fully integrated platform that gathers data during every phase of production. Control it all through an intuitive new display interface design that makes it easier than ever for the user.



FLOW, POPULATION AND BLOCKAGE MONITORING.

- Reduce unsightly skips from blocked seed rows and monitor seed population to ensure hitting target rates.
- Optional on the Precision Disk 500, the Wireless Flow Blockage Monitor (WFBM) for seed and fertilizer provides unique monitoring benefits.
 - Apple iPad app displays all manifold runs and sounds an alert for easy identification of blocked hoses.
 - Patented acoustic sensors monitor the sound of seed flow with high accuracy in dusty field conditions or in low-rate applications.
 - Wireless system requires less wiring than traditional blockage monitor systems.
- The Precision Disk 500T flow sensors provide accurate population estimates for larger seeded crops.
- A bar graph on the Precision Disk 500T flow sensors displays target rates and seeding flow.

SECTION AND RATE CONTROL.

- Put seed, fertilizer and other inputs precisely where you want them using **AFS section and rate control**.
- **Reduced overlaps** combined with **variable-rate application** and precise product placement can help you save on inputs, improve agronomic performance and lower overall costs.
- Variable-rate application results in **fewer trips across the field**.

GUIDANCE AND STEERING.

- Achieve year-to-year **repeatable accuracy** at sub-inch levels with AFS AccuGuide autoguidance.
- **Autoguidance** can help you reduce skips and overlaps; save on fuel and labor costs; better manage your seed, fertilizer and chemical inputs; simplify operation; and simply get more done every day.

DATA MANAGEMENT AND ANALYSIS.

- View, edit, manage, analyze and use your precision farming data—all in a single suite—with **AFS software**.
- Generate yield maps, precision maps and more from a single, **integrated software package**.
- Create soil sampling maps, generate and print reports, and import satellite imagery.
- Securely and easily **import and manage all data sources** using your AFS software.
- Get instant access to **real-time machine data** through the AFS Connect™ advanced farm management system.

PRECISION DISK 500T SPECIFICATIONS	25 FT. (7.62 M)	30 FT. (9.14 M)	40 FT. (12.19 M)
CONFIGURATIONS			
Tank Style	Mounted tank		
Tank Capacity	Single 70 bu.		Single 100 bu.
Row Spacing	10 in. (25.4 cm) standard or 7.5 in. (19.05 cm) optional		
FRAME			
Weight (Empty) Est.	7.5 in. – 18,800 lb. (8 500 kg) 10 in. – 17,000 lb. (7 700 kg)	7.5 in. – 21,200 lb. (9 616 kg) 10 in. – 19,200 lb. (8 700 kg)	7.5 in. – 26,400 lb. (11 975 kg) 10 in. – 23,800 lb. (10 800 kg)
Fold Type	Single fold		
Wing Flex	3 section flex (10° down & 15° up)		
Hitch	Floating		
Transport Height	11 ft. (3.35 m)	13 ft. (3.96 m)	13.8 ft. (4.2 m)
Transport Width	12 ft. 6 in. (3.81 m)		18 ft. 8 in. (5.69 m)
Tire Package – Standard	Stubble resistant tires all locations Quantity: 12 total wheels Front of mainframe – 12.5 L × 15 dual wheels on castoring rigid axles Front and rear of each wing – 12.5 L × 15 single wheel (front on castor) Rear of mainframe – 12.5 L × 15 dual wheels on rigid axles	Stubble resistant tires all locations Quantity: 12 total wheels Front of mainframe – 12.5 L × 15 D ply fixed tandem Front and Rear of each wing – 12.5 L × 15 D ply single Rear of mainframe – 18 L × 16.1 dual wheels on walking beam axles	
Tire Package – High Flotation (Optional)	Stubble resistant tires all locations Quantity: 12 total wheels Front of mainframe – 12.5 L × 15 dual on castoring walking beam axles Front and rear of each wing – 12.5 L × 15 single wheel (front on castor) Rear of mainframe – 12.5 L × 15 dual wheels on walking beam axles	Stubble resistant tires all locations Quantity: 16 total wheels Front of mainframe – 12.5 L × 15 dual wheels on castoring walking beam axles Front and Rear of each wing – 12.5 L × 15 dual wheels walking beam axles (front on castor) Rear of mainframe – 18 L × 16.1 dual wheels on walking beam axles	
METERING/MONITORING			
Meter Drive System	Variable rate hydraulic drive (three pre-set settings on display)		
Meter Roller Options	Extra fine, fine, coarse		
Display System	AFS Pro 700 or ISO11783 compliant display		
Weigh Scale	Tank mounted with rear platform display and in cab-display		
Flow Monitor	Standard all-run system		
Section Control	Four section manual (std.) and AFS controlled four sections (opt.)		
Distribution Lines	1 in. (25 mm) or 1.25 in. (38 mm) (ID depends on location) – UV resistant hose		
ROW UNIT/OPENER			
Minimum PTO HP Requirement	10 in. – 120 hp* 7.5 in. – 160 hp*	10 in. – 145 hp* 7.5 in. – 195 hp*	10 in. – 195 hp* 7.5 in. – 260 hp*
Operating Speed	5 – 8 mph (8 – 12.7 kph)		
Depth Adjustment	Per opener 0 – 3.5 in. (0 – 8.9 cm) 14 increments with single “T” handle		
Row Unit Vertical Travel (from Surface)	8.5 in. up (21.6 cm); 11.5 in. down (29.2 cm)		
Road-to-Opener Clearance	8.5 in. (21.6 cm)		
Row Unit Spring Down Pressure per Row	160 – 400 lb. (73 kg – 181 kg)		
Rank Down Pressure Adjustment	Single point hydraulic (optional in-cab) 200 – 1,400 psi		
Opening Disk	18 in. (45.72 cm) single bevel at 7°		
Closing System	Double edge, single wheel		
Closing System Pressure @ 1.5 in. (38 mm)	3 settings 59, 71, 84 lb. (27, 32, 38 kg)		

*Minimum requirements are a starting point only and should be increased based on operating conditions in the field, road transport conditions, and other implements that are used with the drill.

PRECISION DISK 500 SPECIFICATIONS	30 FT. (9.14 M)	40 FT. (12.19 M)	50 FT. (15.24 M)	60 FT. (18.29 M)
CONFIGURATIONS				
Tank Style	Tow behind or tow between air cart			
Row Spacing	10 in. (25.4 cm) standard or 7.5 in. (19.05 cm) optional			
FRAME				
Weight (Empty) Est.	7.5 in. – 19,600 lb. (8 900 kg) 10 in. – 17,500 lb. (7 900 kg)	7.5 in. – 24,800 lb. (11 250 kg) 10 in. – 22,100 lb. (10 000 kg)	7.5 in. – 40,000 lb. (18 143 kg) 10 in. – 36,600 lb. (16 601 kg)	7.5 in. – 45,500 lb. (20 639 kg) 10 in. – 41,500 lb. (18 824 kg)
Fold Type	Single fold		Double fold	
Wing Flex	3 section flex (10° down & 15° up)		5 section flex (10° down & 15° up)	
Hitch	Floating			
Transport Height	13.1 ft. (3.99 m)	13.8 ft. (4.20 m)	13.2 ft. (4.02 m)	14.9 ft. (4.54 m)
Transport Width	12 ft. (3.65 m)	18.8 ft. (5.73 m)		
Tire Package – Standard	Stubble resistant tires all locations. Quantity: 12 total wheels Front of mainframe— 12.5 L×15 dual wheels on castoring rigid axles Front and rear of each wing—12.5 L×15 single wheel (front on castor) Rear of mainframe— 18 L×16.1 dual wheels on rigid axles		Stubble resistant tires all locations. Quantity: 20 total wheels Single 12.5L – 15 D ply rating tires on outer wings Fixed tandem 12.5L – 15 D ply rating tires on inner wings Walking tandem 16.5 × 16.1 E ply rating tires on center section	
Tire Package – High Flotation (Optional)	Stubble resistant tires all locations. Quantity: 16 total wheels Front of mainframe— 12.5 L×15 Dual wheels on castoring walking beam axles Front and rear of each wing – 12.5 L×15 dual wheels on walking beam axles (front on castor) Rear of mainframe— 18 L×16.1 dual wheels on walking beam axles		Stubble resistant tires all locations. Quantity: 24 total wheels Walking tandem 12.5L – 15 D ply rating tires on inner and outer wings Walking tandem 16.5 × 16.1 E ply rating tires on center section	
METERING/MONITORING				
Display System	AFS Pro 700 or ISO11783 compliant display			
Flow Monitor	Optional primary run monitoring or optional secondary run monitoring			
Extended Wear Distribution	Optional			
ROW UNIT/OPENER				
Minimum PTO HP Requirement	10 in. – 145 hp** 7.5 in. – 195 hp**	10 in. – 195 hp** 7.5 in. – 260 hp**	10 in. spacing: 228 hp** 7.5 in. spacing: 304 hp**	10 in. spacing: 274 hp** 7.5 in. spacing: 365 hp**
Operating Speed	5 – 8 mph (8 – 12.7 kph)			
Depth Adjustment	Per opener 0 – 3.5 in. (0 – 8.9 cm) 14 Increments with single “T” handle			
Row Unit Vertical Travel (from Surface)	8.5 in. up (21.6 cm); 11.5 in. down (29.2 cm)			
Road-to-Opener Clearance	8.5 in. (21.6 cm)			
Row Unit Spring Down Pressure	160 – 400 lb. (73 kg – 181 kg)			
Rank Down Pressure Adjustment per Row	Single point hydraulic (optional in-cab) 200 – 1,400 psi			
Opening Disk	18 in. (45.72 cm) single bevel at 7°			
Closing System	Double edge, single wheel			
Closing System Pressure	3 settings 59, 71, 84 lb. (27, 32, 38 kg)			

**Additional horsepower is required to tow and operate the air cart. Minimum requirements are a starting point only and should be increased based on operating conditions in the field, road transport conditions, and other implements that are used with the drill.



SAFETY NEVER HURTS!™ Always read the Operators Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided. CNH Industrial America LLC reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions and illustrative material herein are as accurate as known at time of publication, but are subject to change without notice. Availability of some models and equipment builds varies according to the country in which the equipment is used.

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