



ParaLink Frame Mounted Seeders™

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BOURGAULT



CD ParaLink Coulter Drill™

CD872-8 / CD872-6
CD848-8 / CD848-6

HD ParaLink Hoe Drill™

HD872-8 / HD872-6
HD848-8 / HD848-6

FRAME MOUNTED SEEDERS

Designed to **Fit**

The self contained design of the Bourgault FMS™ is comprised of a Bourgault signature heavy-duty steel air seeder tank and a parallel opener equipped drill – either coulter (CD) or hoe drill (HD).

The Drill (CD or HD)

The ParaLink™ independent drill is available in either a 2-row, coulter drill system (CD), or a 3-row, hoe drill system (HD).

- ▶ Both the coulter and hoe drills operate independently of a sturdy 5" x 5" fixed frame;
- ▶ The front of the drill is designed with a solid draw hitch which transfers the load to the tractor;
- ▶ The 20' FMS™ unfolds into a rigid continuous bar. The 26' can be equipped with optional running gear on the wing to operate as a 3-plex bar for improved land following capability.

The Air Seeder Tank

The FMS™ air seeder is designed with the same proven Bourgault ingenuity found on Bourgault's large air seeder tanks.

- ▶ Such design features as the PDM Pro™ Metering System that delivers accurate product metering of an extensive range of seeds and fertilizers and the KNEX™ Integral Tank System that allows you the flexibility to combine or separate tanks for increased seeding productivity;
- ▶ Large, flotation tires located on the back of the drill support the contents of the 135 bu or 200 bu air seeder.

Bourgault Precision, Strength & Productivity— all perfectly contained in one package.

Designing agricultural equipment can be a balancing act. Quite often when a gain is made in one area of design, another area may be compromised. The Frame Mounted Seeder (FMS™) by Bourgault successfully achieves the ultimate balance between productivity and ease of use. Designed as a complete seeding unit, the Frame Mounted Series is a mid range seeding system tucked between the larger seeding systems and the smaller box seeders.



- 1. 9'10"** transport width for 20'-26' units
(standard axles - no rear tow hitch; 11'2" for all units equipped with the rear tow hitch and/or 30' width (extended axles))
- 2. 11'2"** transport height for units at 20' width
13'2" transport height for units at 26' width
15'2" transport height for units at 30' width



■ On the Move

When purchasing any larger sized equipment, moving safely from location to location can present a challenge.

- ▶ At a narrow 9'10" transport width (for units 20'-26' with standard axles and no rear tow hitch) the Bourgault FMS™ successfully meets tight transport requirements. Further to this, due to its self-contained design, the FMS™ moves safely and unencumbered whenever and wherever it needs to go!



CD ParaLink

FRAME MOUNTED SEEDER™

Expect the highest degree of durability with a robust frame construction that makes competitors green with envy. The heavier built Bourgault 2-row, 5 x 5 inch frame achieves superior penetration where other units ride up.

The Bourgault PCD™ is available with a hydraulic lockout option which allows the Operator to easily configure the drill into 7.5"/15", 10"/20" or 12"/24" row spacing respectively.

The CD ParaLink FMS™ is available with 2 opener options:

The ParaLink Walking™ Axle Opener (PLW™) provides the platform for low disturbance seeding accuracy.



The ParaLink Row™ Opener provides a platform for the revolutionary Air Planter™ Product Delivery System. For the first time, you have the ability to seed and plant with the same implement!







The **ParaLink Walking Coulter Opener** option for the FMS™ achieves precise seed placement while maintaining seedbed integrity. The integrity is maintained through the combination of the low disturbance coulters that create an extremely narrow trench for the seed to be deposited into, in combination with the LDx™ (Low Disturbance Scraper) that optimally places the seed and fertilizer at the base of the disk cut achieving excellent seed placement resulting in even emergence.



▲ Field seeded with a Bourgault ParaLink Coulter Drill™ equipped with Mid Row Bander® Fertilizer Applicators

The PLW™ Opener



The ParaLink Walking™ Coulter Opener (PLW™)

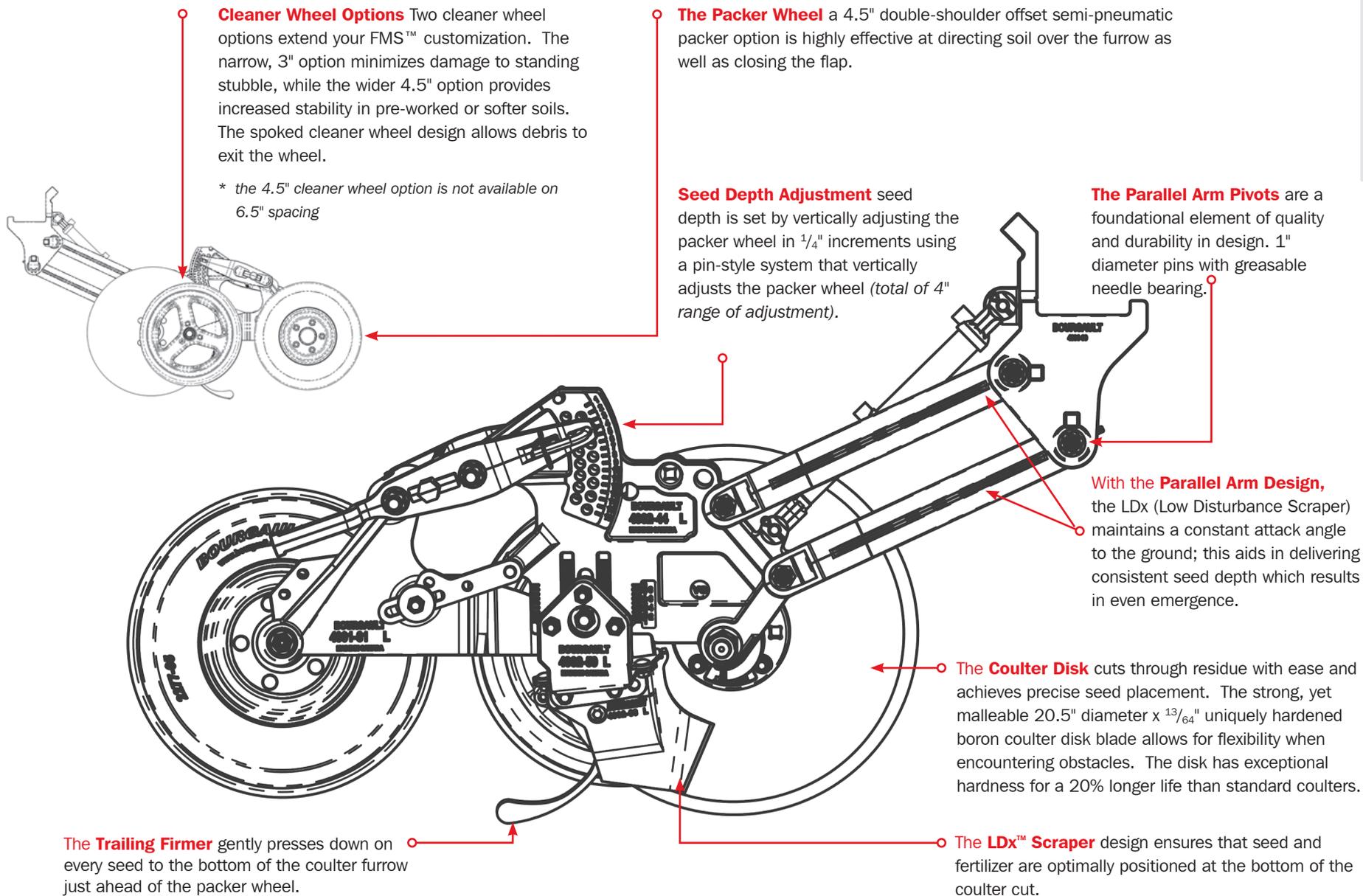
Parallel arms provide a consistent angle on the scraper's presentation to the soil. This ensures the low disturbance scraper maintains a constant attack angle to the ground providing optimum seed placement. Each arm provides +9" & -7" of travel from nominal position for 16" of total opener travel and the walking axle reduces coulters movement by a factor of two resulting in excellent seed depth.



When going over rocks or uneven ground, for every 1" that the cleaner wheel adjusts vertically, the seed depth moves only $\frac{3}{8}$ ".



For every 1" that the packer wheel moves vertically, the seed depth moves only $\frac{5}{8}$ ".

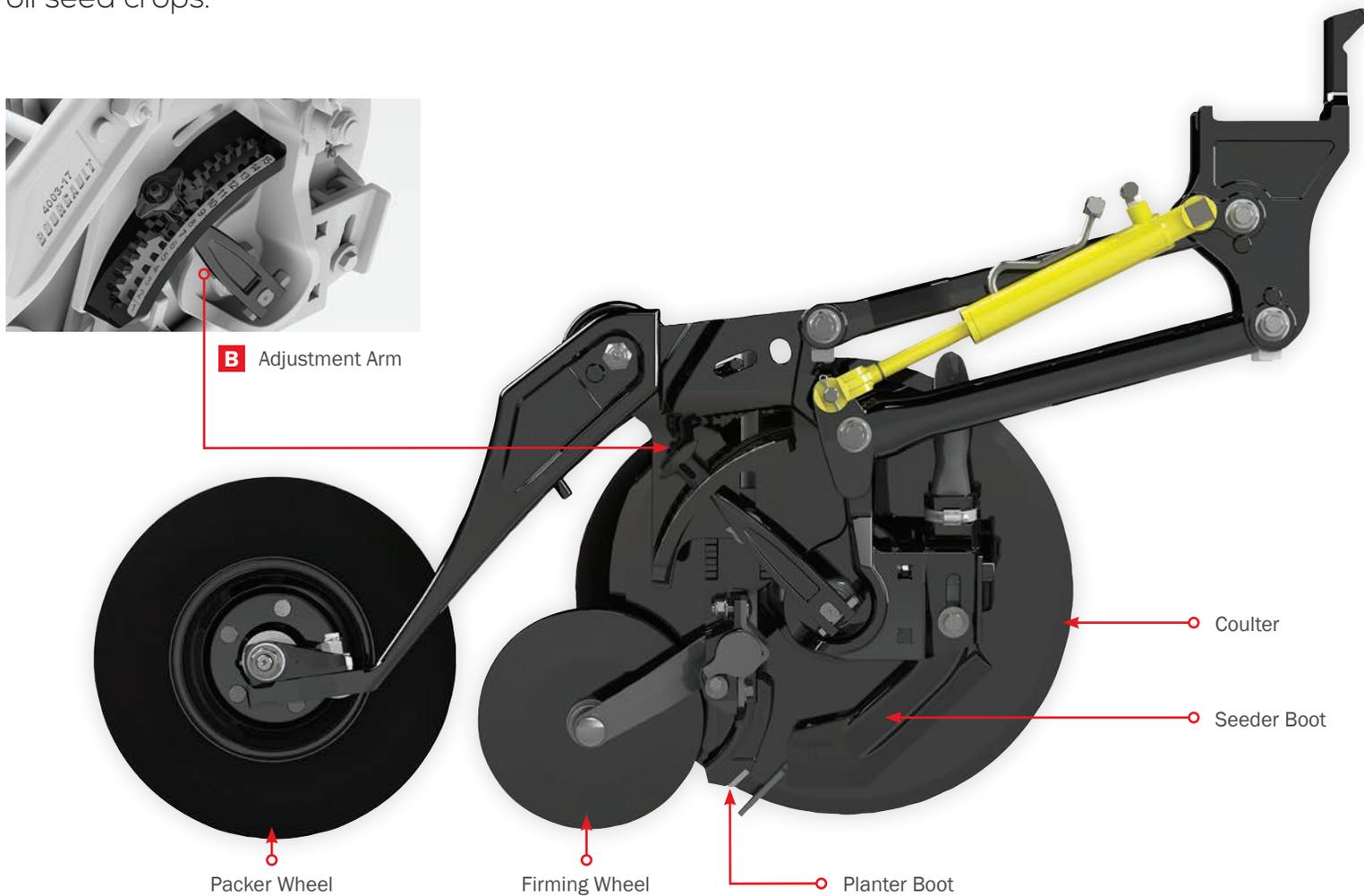


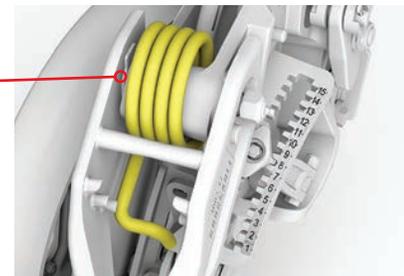
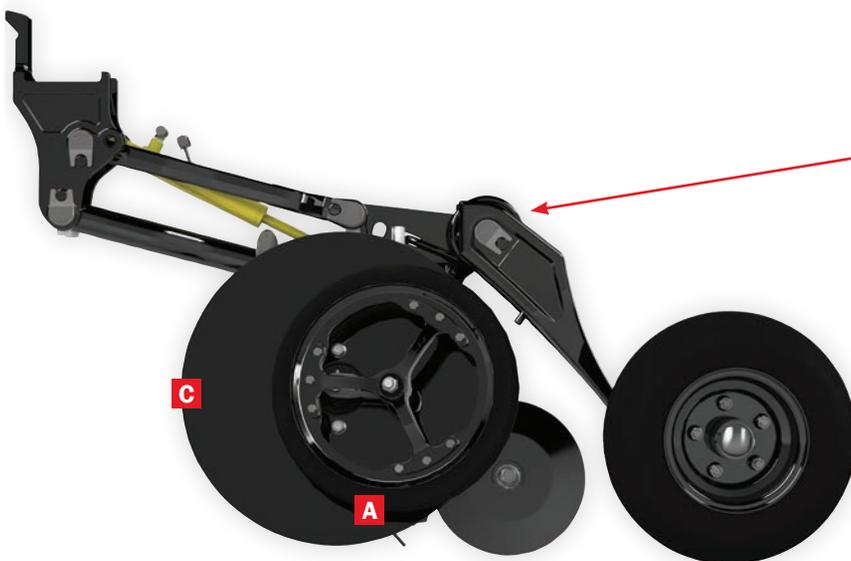


The PLR™ Opener



The **PLR™ Opener** is designed to work in conjunction with the positive pressure Air Planter™ Product Delivery System option. The same opener is also compatible with the proven PDM Pro™ Metering Auger and air seeder kit to provide accurate and consistent seed placement for cereals, pulses and oil seed crops.





Simple Packer Setting

Packing pressure can be adjusted from 90 to 180 lb per wheel. This is set by adjusting the tension on the coil spring mounted on the packer arm.

SEED DEPTH CONSISTENCY

The parallel arms, in conjunction with the outside cleaner gauge wheel, maintain extremely accurate seeding depth in all terrain conditions.

- A** The gauge wheel is positioned directly in-line with the planter boot and seeder boot, on the opposite side of the coulter, for optimal seed depth accuracy.
- B** An adjustment arm controls the gauge wheel position by moving the locking knob to a different setting.
- C** The coulter is set on 7° lateral and 10° vertical compound angles to ensure effective soil penetration and consistent seed placement, regardless of the soil conditions.

Optional load sensor, situated on the gauge wheel of a centrally located opener, maintains the seed depth. This gauge wheel load sensor is monitored by the optional X35 Apollo System so consistent and positive pressure is detected. If the gauge wheel load changes, the hydraulic pressure adjusts automatically so that the set downforce is maintained. The opener position remains consistent for accurate seeding depth in variable soil conditions.



Seeder Boot

When operating as a traditional air coulters drill, product from the air seeder kit exits the seeder boot and is directed to the bottom of the furrow with a plastic seed retainer, eliminating the opportunity for seed bounce. The seed is then pressed into the seedbed by the firming wheel, ensuring excellent seed-to-soil contact.

Air Planter (AP™)

OPTION

Seed or Plant with One System!

The innovative Air Planter™ (AP™) option is an integrated option for a Bourgault seeding system that provides the ability to seed or plant in a one-pass operation!

The Air Planter™ sets new standards for planting capability and productivity with the ability to: direct plant into heavy residue in no-till scenarios, while seed placing phosphate fertilizer and banding nutrients like nitrogen and sulfur mid row in a one-pass operation.

With the Bourgault Air Planter™ you can plant corn on one field and seed wheat on the next! Why buy a planter and a small grains drill when the Bourgault Air Planter™ can effectively accomplish both!





The AP™ System **How it Works**



The Air Planter™ has a bulk fill system that transfers seed from the air seeder to the XP™ Meters located on the frame of the drill.

Other than an extra fan, the bulk fill system uses no moving parts to gently transfer seed to the XP™ Meters. The singulated seed is closely counted by the sensor at the exit of each XP™ Meter, displaying the performance of each run on the Apollo Monitor. This allows the Operator to immediately investigate any abnormal performance issues such as skips, doubles or plugs.



BULK FILL Fan

The bulk fill fan creates airflow to transfer seed from the air seeder inductor to the XP™ Meter Reservoirs.



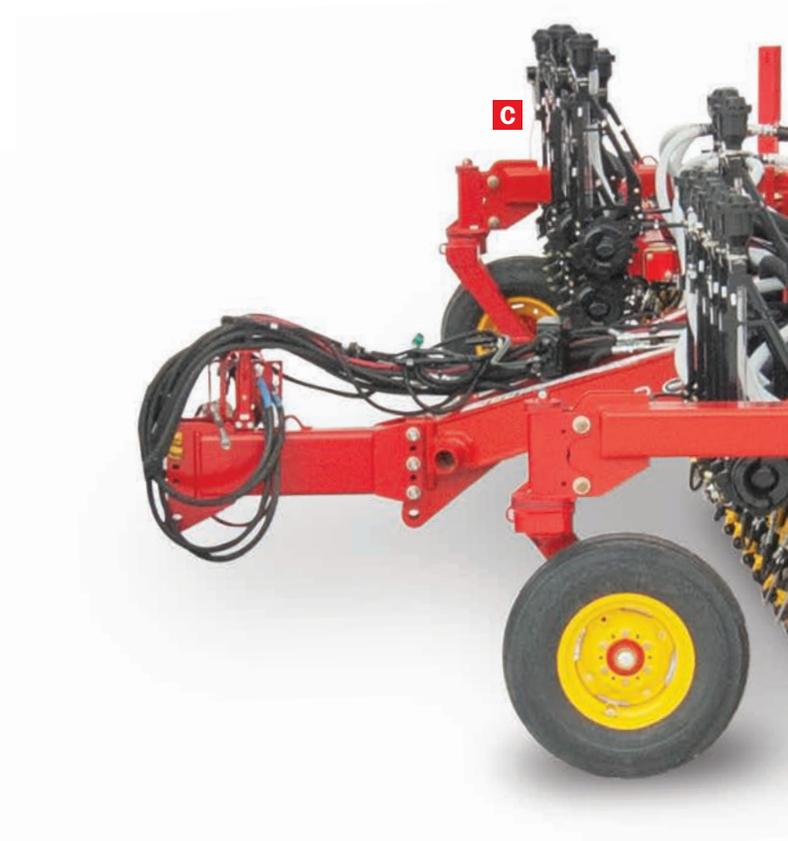
METER PRESSURIZATION Fan

Air pressure is delivered to each XP™ Meter to provide positive pressure metering and delivery of seed to the boot.



XP™ Meter Reservoirs

When the reservoirs on the XP™ Meters are full, the column of seed prevents further air and seed flow.





AIR SEEDER
Inductor Boxes

The Air Planter™ Bulk Fill Distribution System attaches to the bottom of the PDM Pro™ metering auger sumps. When a specific tank is designated for planting, seed is directed to flow through the PDM Pro™ sump into the air seeder inductor (instead of metering it).

Note: The remaining air seeder tanks that are being used for fertilizing will have the sump plates closed and the PDM Pro™ Auger will meter the product to the openers or Mid Row Bander® Fertilizer Applicators.



The XP™ Metering System

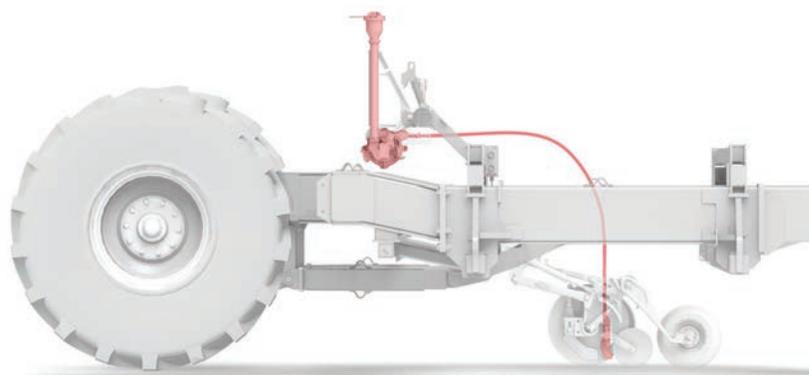
Thorough performance testing and comparisons to competitive vacuum and other pressure planter units has shown that the XP™ Meter's performance metrics are at the forefront in terms of seed to seed spacing accuracy, as well as very low seed skips and doubles, which makes every kernel and seed count.

XP™ Meter Singulation Performance

CORN >99%

SOYBEANS >98%

Singulation performance is the percentage of seeds released as a single seed, *i.e.* 99% means that 1% of the seeds were released as multiples, or as skips.



The HD ParaLink

FRAME MOUNTED SEEDER™



The **HD ParaLink Hoe Drill™** version of the FMS™ allows the Operator to seed with all of the benefits of independent seeding. The HD FMS™ deploys the one-to-one PLX™ Opener Assembly.

The PLX™ Opener design maintains the opener's attack angle regardless of its position and regardless of the choice of seed opener tip. A wide range of tip opener widths and designs are available through third party vendors, however, please note that Bourgault recommends using narrow seed knives.

Final opener selection and resulting field performance is the sole responsibility of the opener manufacturer and the owner.

The ParaLink Xtreme™ Opener 1:1 Contour Ratio



- ▶ The 1:1 contour ratio of the PLX™ Opener is designed to deliver excellent contouring characteristics as the full parallel linkage allows the PLX™ Opener to follow the field independently of the frame. The packer wheel and seed opener travel in unison for precise results and if the frame wheels sink, in soft soils, the depth will not be affected.



Packer/gauge wheel and seed shank move together when depth is set.



If the packer/gauge wheel moves down, the seed shank follows the same vertical distance.



Changes to the vertical frame height do not affect the position of the seed shank.



Durable Construction The superior design of the heavy-duty, 5" x 5" three-row frame ensures reliable service through many seasons and is backed up with a 5 year frame warranty.



▲ Field seeded with a Bourgault ParaLink™ Hoe Drill equipped with MRB® Fertilizer Applicators.

○ **Packer Options** Choose between three packer options: the 4.5" v-style semi-pneumatic, the 4.5" semi-pneumatic and the 5.5" semi-pneumatic. Pairing the packer wheel with the appropriate seed opener is critical for achieving optimal seeding results.

Visit: www.bourgault.com for suggested opener/packer wheel combinations.

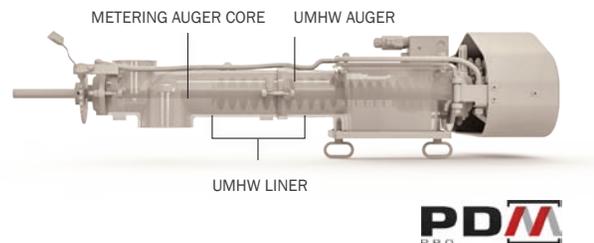
The Bourgault Air Seeder Tank

DESIGN

The Bourgault air seeder tank design is widely renowned on the world's largest broad acre farms for its versatility, features and durable design...making it the Operator's favorite air seeder tank. Such features as the KNEX™ Integral Tank Design, the PDM Pro™ Metering System and the X35 Apollo System put the Bourgault head and shoulders above the competition.

The PDM Pro™ provides the highest degree of metering accuracy while still providing gentle seed handling.

- ▶ To combat the issue of freshly treated seed or fertilizer sticking in humid conditions, the PDM Pro™ features a UMHW high density polyethylene metering auger, housing liner and orifice that minimizes even these troublesome products from sticking to the inside of the housing.



The hydraulic drive motors provide near instant rate changes.

- ▶ The on-tank control box allows you to change the PDM Pro™ Metering Auger and begin the calibration process without going back to the tractor cab thereby reducing the number of steps you'll have to take to complete the process.



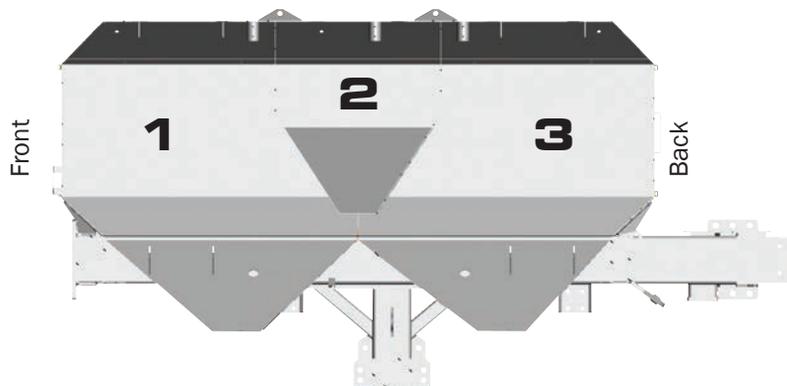


◀ **Direct Product as Desired**

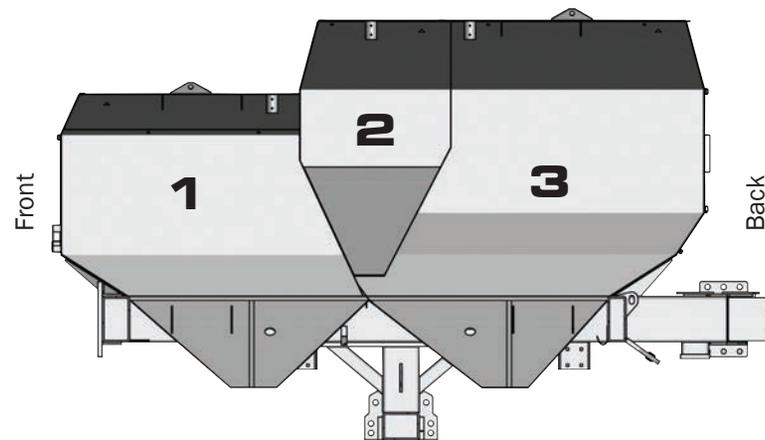
Product from any metering auger can be directed to either primary line by simply switching the drop tube between air streams (*larger Bourgault 9000 Series Air Seeder model shown*).



The industry exclusive KNEX™ Integral Tank System allows you to optimize your tank capacity resulting in added convenience and time saved in the field.



▲ **CD & HD 848**



▲ **CD & HD 872**

HOW IT WORKS

The KNEX™ System allows all three main tanks to meter individually, or, tanks can be combined to meter as one by simply removing the interconnecting tank door.

The optional Tank 4 - the Saddle Tank™ (*not shown*) is a small 8 bu tank that mounts near the rear of the FMS™ making handling low volume product, such as canola, granular inoculant or insecticide, as easy as possible.



■ The BulkBoom

- ▶ The BulkBoom™ makes loading bulk bags of seed, fertilizer or inoculant more convenient and efficient. The BulkBoom™ allows the Operator to fill the FMS™ tank with 2,200 lb minibulk without having to worry about transporting a front end loader or forklift to the field.



■ Rear Tow Hitch

- ▶ The rear tow hitch option gives you the ability to stretch out more acres per fill by adding a liquid fertilizer cart to your seeding system.
(Note: Only units equipped with extended axles can be equipped with rear tow hitch option.)



■ Folding Load Auger

- ▶ The optional 8" folding auger provides convenient loading when loading tanks from a truck. The hydraulically controlled holding hopper section allows the auger to be tucked safely along the tank during transport.
(Note: the BagLift™ option not available with load auger option.)





Options

■ The Mid Row Bander® (MRB) Fertilizer Application System Option

- ▶ Protect your input investment each and every year with the MRB® Fertilizer Application System. Only MRBs provide optimal seed to fertilizer placement in all conditions maximizing your earning potential even in the dry years. The Mid Row Bander® System allows Producers to apply all of the nitrogen and sulfur requirements with the coulter opener and employ a low disturbance opener for seed and starter fertilizer.



- ▶ *Position* the bulk of the nitrogen and sulfur fertilizer at the optimal position to establish a root dominant environment,
- ▶ *Preserve* existing soil moisture by using low disturbance coulter applicators and narrow seed openers to maintain seedbed integrity,
- ▶ *Prosper* by optimizing germination and emergence, especially in dry conditions - the first and most important step towards a profitable harvest.

The success of applying the bulk of the mobile nutrients between every other seed row has only grown as new crop varieties demonstrate greater yields with higher fertilizer rates. The seeds are encased in the seedbed with the ground moisture and starter fertilizer, an ideal environment to germinate and emerge. As roots begin to develop, the sensitive root hairs sense the presence of beneficial nitrate emanating from the mid row band, encouraging further root growth towards the nutrient source. The expanding root structure also provides greater access to moisture and other soil nutrients, giving it the best foundation to meet an extended dry period and other challenges during the season.

Bourgault Mid Row Bander® Fertilizer Applicators have been helping North American Farmers meet these challenges for 25 years! Confidence in the approach is evident with many Producers on their 2nd and 3rd generation Bourgault seeding system equipped with the MRB® Fertilizer Applicator option. In fact, over 80% of Bourgault seeding systems are sold with the Mid Row Bander option.

With general weather patterns indicating drier spring seeding conditions in the future, it is more important than ever to consider Bourgault Mid Row Bander® Fertilizer Applicators as part of your seeding system.

■ Drill Control

- ▶ LiftMaster™ Option - Farmers can remove one more operation when turning at the end of the field. LiftMaster™ provides automatic lifting and lowering of the openers at the field headlands. This eliminates one more tedious operation at a time when many things are going at once.
- ▶ PackMaster™ Option - The PackMaster™ option achieves uniform packing pressure while seeding by hydraulically responding to varying field conditions.

NOTE: LiftMaster™ and PackMaster™ are available options when the X35 Apollo System is chosen.

■ Operating Systems

- ▶ The Bourgault FMS offers the same two operating system options found on the large Bourgault seeding systems. The X35 Apollo™ System and the ISO Apollo™ System:

- 1 The X35 Apollo™ System allows for unprecedented control of your seeding system; realize full rate control capabilities, accurate data management and time saving applications all on a large 12.1" color touch-screen. Following are just a few examples from the extensive list of X35 capabilities:

Xtend Feature

The X35 brings Wi-Fi connectivity to Bourgault air seeders with its Xtend Feature. With this capability, the X35 can connect to smart phone and tablet applications. By downloading the Topcon Xtend app on to your device (*tablet/smartphone*) and connecting to this hotspot you are able to control certain functions on the X35 system.



Xtend
Wi-Fi Capability

Variable Rate Control

VR Control of all 4 tanks

Blocked Head Monitoring

Monitor up to 10 distribution manifolds on both seed and fertilizer runs.

Coverage Maps

Integrate a GPS signal and display and record coverage maps for multiple products.

- 2 The ISO Apollo™ System operates in accordance with the ISO 11783 standard so that Farmers with tractors equipped with virtual terminals have the option to monitor, calibrate and perform basic rate control functionality without adding an additional screen in the tractor cab. ISO virtual terminals are typically present on newer models of most major brands of tractors. Optional XD console is available as dedicated monitor.





Specifications

CD Models	CD872-8		CD872-6	CD848-8		CD848-6
Total Tank Volume	200 bu		200 bu	136 bu		136 bu
with Saddle Tank	8 bu		8 bu	8 bu		8 bu
T1	60 bu		60 bu	57 bu		57 bu
T2	37 bu		37 bu	22 bu		22 bu
T3	103 bu		103 bu	57 bu		57 bu
Saddle Tank (option)	8 bu		8 bu	8 bu		8 bu
Tire Size	IF710/70R38		IF710/70R38	LSW750/60R30 IF710/70R38 (opt)		LSW750/60R30 IF710/70R38 (opt)
Bulk Boom Capacity	2,200 lb		2,200 lb	2,200 lb		2,200 lb
Working Widths	26'	30'		26'	30'	
Opener Style	PLW/PLR	PLW	PLW/PLR	PLW/PLR	PLW	PLW/PLR
Spacing	6.5", 7.5", 10", 12"	7.5", 10", 12"	6.5", 7.5", 10", 12"	6.5", 7.5", 10", 12"	7.5", 10", 12"	6.5", 7.5", 10", 12"
Wing Casters	Optional	Standard	N/A	Optional	Standard	N/A
Transport Width	9'10"	11'2"*	9'10"	9'10"	11'2"*	9'10"
Transport Height	13'2"	15'2"	11'2"	13'2"	15'2"	11'2"
MRBs	7.5", 10", 12"		7.5", 10", 12"	7.5", 10", 12"		7.5", 10", 12"

* applies to 30' units as well as any units equipped with rear tow hitch

ADDITIONAL SPECIFICATIONS

CD/HD848	IF710/70R38 tires are standard if extended axles are selected
FMS @ 30' (9 m)	IF710 tires are standard if extended axles are selected
Hitch Jack	Manual 2 stage hitch jack standard, optional hydraulic jack
Brakes	Optional; not available for units with rear tow hitch and/or 30 ft configurations
Front Hitch Options	<ul style="list-style-type: none"> Category 3 2-Point Hitch Package Category 4 Socket - 3 Bolt Category 5 Socket - 3 Bolt Front Hitch Extension is required if tractor is: <ul style="list-style-type: none"> over 3 m wide with MRBs; over 4.2 m wide, no MRBs.
Auger	Available on all sizes
Rear Tow Hitch	Requires IF710 tires with extended axles. Note: transport width is 11'2".

Working width may vary depending on the spacing chosen. Please consult our Bourgault rep for details.

	Unit Weight (empty)	Tongue Weight (max)	Working Width
CD872-8	lb	lb	
6.5"	29,750	8,500	26'0"
7.5" w/ MRBs	31,250	10,250	25'0"
7.5"	27,750	7,750	25'0"
10" w/ MRBs	28,500	9,000	26'8"
10"	25,750	6,750	26'8"
12" w/ MRBs	25,750	7,500	24'0"
12"	23,500	6,000	24'0"
CD872-6	lb	lb	
6.5"	26,500	7,000	19'6"
7.5" w/ MRBs	28,500	9,000	20'0"
7.5"	25,500	6,750	20'0"
10" w/ MRBs	25,750	7,750	20'0"
10"	23,500	5,750	20'0"
12" w/ MRBs	24,250	6,750	20'0"
12"	22,500	5,250	20'0"
CD848-8	lb	lb	
6.5"	28,250	8,500	26'0"
7.5" w/ MRBs	29,750	10,250	25'0"
7.5"	26,250	7,750	25'0"
10" w/ MRBs	27,000	9,000	26'8"
10"	24,250	6,750	26'8"
12" w/ MRBs	24,250	7,500	24'0"
12"	22,000	6,000	24'0"
CD848-6	lb	lb	
6.5"	25,000	7,250	19'6"
7.5" w/ MRBs	27,000	9,000	20'0"
7.5"	24,000	6,750	20'0"
10" w/ MRBs	24,250	7,750	20'0"
10"	22,000	6,000	20'0"
12" w/ MRBs	22,750	7,000	20'0"
12"	21,000	5,500	20'0"

HD Models	HD872-8	HD872-6	HD848-8	HD848-6
Total Tank Volume	200 bu	200 bu	136 bu	136 bu
with Saddle Tank	8 bu	8 bu	8 bu	8 bu
T1	60 bu	60 bu	57 bu	57 bu
T2	37 bu	37 bu	22 bu	22 bu
T3	103 bu	103 bu	57 bu	57 bu
Saddle Tank <i>(option)</i>	8 bu	8 bu	8 bu	8 bu
Tire Size	IF710/70R38	IF710/70R38	LSW750/60R30 IF710/70R38 (opt)	LSW750/60R30 IF710/70R38 (opt)
Bulk Boom Capacity	2,200 lb	2,200 lb	2,200 lb	2,200 lb
Opener Style	PLX	PLX	PLX	PLX
Spacing	10", 12"	10", 12"	10", 12"	10", 12"
MRBs	10", 12"	10", 12"	10", 12"	10", 12"
Wing Casters	Optional	N/A	Optional	N/A
Brakes	Optional	Optional	Optional	Optional
Transport Width	9'10"	9'10"	9'10"	9'10"
Transport Height	13'2"	11'2"	13'2"	11'2"

* All weights & transport dimensions are estimates & are subject to change.
 Every effort has been made to ensure that the information is accurate/current at the time of production.
 For the latest product information check out our website at: www.bourgault.com

	Unit Weight (Empty)	Tongue Weight (Max)	Working Width
HD872-8	lb	lb	
10" w/ MRBs	26,500	8,000	26'8"
10"	23,750	6,000	26'8"
12" w/ MRBs	24,250	7,000	24'0"
12"	22,250	5,250	24'0"
HD872-6	lb	lb	
10" w/ MRBs	22,500	6,000	20'0"
10"	20,500	4,500	20'0"
12" w/ MRBs	21,000	5,000	20'0"
12"	19,250	3,750	20'0"
HD848-8	lb	lb	
10" w/ MRBs	25,000	8,000	26'8"
10"	22,250	6,000	26'8"
12" w/ MRBs	22,750	7,000	24'0"
12"	20,750	5,250	24'0"
HD848-6	lb	lb	
10" w/ MRBs	21,000	6,000	20'0"
10"	19,000	4,500	20'0"
12" w/ MRBs	19,500	5,000	20'0"
12"	17,750	4,000	20'0"

BOURGAULT'S COMMITMENT TO QUALITY

Our mission is to design, manufacture and distribute the highest quality, most durable and reliable farm equipment in the world, that is affordable and meets or exceeds the expectations of our most demanding customers.

Bourgault Warranty

5-Year Limited Warranty Repair Period and Remedies

One Year - 100% Parts & Labour.

Two Years - 100% Parts on Bourgault manufactured components.*

Three Years - 50% Parts on Bourgault manufactured components.*

Five Years - 100% Parts & Labour on tillage and air drill structural frame(s).

** Does not include tillage or air drill structural frame(s).*

Extended Warranty

Steel Metering Augers - 100% parts against wearing past 10% of the original diameter for the life of the air seeder (*corrosion not included*).

Plastic Metering Augers - 100% parts against wearing past 10% of the original diameter for the first five years, then 50% parts after five years, for the life of the air seeder.

NOTE: The Bourgault Warranty Policy takes effect at the time of delivery of new, unused, equipment to the first retail purchaser. The warranty policy may change at any time without prior notice from Bourgault. This warranty applies to North American equipment only. Refer to the Bourgault website, or, your local Bourgault Dealer for detailed warranty information.



PURSUING PERFECTION

YOUR LOCAL PROFESSIONAL BOURGAULT DEALER: