

2019 PRODUCT GUIDE



MESSAGE FROM THE PRESIDENT

As we focus on the 2019 crop year, I assure you that my commitment to help maximize returns and efficiencies on your farm is stronger than ever. The technology we offer today is a result of our continuous efforts to enhance the innovative technologies that SeedMaster is currently known for. I encourage you to look closely at everything SeedMaster has to offer; you owe it to yourself and to your farm.

The 2019 offering will include a limited release of the world's first single-rank air drill: the Ultra SR. This beauty of a machine is not only extremely versatile, nimble, and easy to service, it once again raises the bar on fast uniform emergence - a must for maximizing profits.

Our ability to introduce this type of innovative technology is derived directly from our commitment to understand and respond to our customer's needs. Yes, I am an engineer by trade, but I am a farmer first, and my understanding of the stresses and goals of large dryland farmers is continuously influenced by my communication with you.

My wish for you is that, while using SeedMaster equipment, you will achieve the very highest yields and profits possible from your 2019 crop.



Norbert Beaujot, P. Eng..
President, Founder, Visionary

MESSAGE FROM THE CHIEF EXECUTIVE OFFICER

The United Nations estimates the world will have a population of approximately 9 billion people by 2050. Meeting the nutritional needs of a growing population is not as daunting when we consider how farming has evolved in the past 20 years and the dramatic yield increases. As a farm equipment manufacturer, my vision is to provide you with equipment that helps keep your soil productive, reduces input redundancy and enables you to do what you do best, farm.

As I look to the future of seeding technology, I am proud to be part of and lead SeedMaster. With input from you and our dealers we are evolving our products, allowing for more efficient operations and a stronger bottom line for you and your family.

May you have much success in 2019. I look forward to working with you.



Leah Olson, MBA, MPPPA
Chief Executive Officer

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WE'RE FARMERS TOO

SeedMaster Manufacturing is a family owned, Saskatchewan-based manufacturer of specialized seeding equipment (air seeders). We have changed the agricultural world with innovative seeding and metering technologies while maintaining a strong reputation for helping farmers increase profits and efficiencies.

"We're Farmers Too," is more than just a motto to us because at the end of the day our success depends on your success and we know we can help you grow a better crop. Because we're farmers, we trust the products we make. We use them on our own farms and we have seen with our own eyes - and wallets - what they can do!



THE RESEARCH FARM

The 3000-acre SeedMaster Research Farm is where our new innovations take shape and get tested, like the efficient and versatile UltraPro II Metering System.

At the Research Farm, we study everything from row spacing to our latest innovations. We make sure everything is top notch to give our producers the best profitability. To achieve this, we perform replicated trials to see just how row spacing and seeding rates on various crops will affect the outcome. Through the course of our studies we found that there is virtually no difference in yields between 10- and 15-inch row spacing- even in hard red spring wheat.

SEED AND FERTILIZER PLACEMENT

The right placement of seed and fertilizer is a key component to any crop you are planting to avoid seeding damage from N-fertilizer. The AgTech Centre in Alberta proved what we already knew, that SeedMaster's opener system does an excellent job of placing seed and fertilizer in optimal locations. SeedMaster's side banding provides effective seed/fertilizer separation for any and all fertilizers and is a more effective placement option for immobile nutrients like phosphorus.

Bonus: It improves weed control by giving crops preferential access to nutrients!

CANOLA UNIFORMITY

Uniformity in stands is essential to maximizing profitability, something SeedMaster units excel at. The Canola Council of Canada has found that uniform canola stands can enhance yields by up to 20%. Uniformity is most important when seeding rates are reduced. A SeedMaster system with an UltraPro II meter delivers the most uniform stands due to individual row metering.

RONOMICS



BLACK STRIP

Soil temperatures in no-till systems are slightly cooler than tilled soils. There are two main ways to combat this: leaving a blackened seed row, and shallow seeding. Because no-till spring soil temperatures are warmer in shallower depths the SeedMaster system is an excellent solution, giving your crop a head start in spring. SeedMaster systems create the black strip with shallow, uniform seeding, giving producers the absolute best conditions.

WINTER WHEAT

SeedMaster openers enhance winter survival and crop yield of winter wheat. Even in dry conditions the uniform seeding produced by the SeedMaster System provides the quickest path to success for winter wheat crops, and the shallow seeding placement allows for the best use of fall rains. The side-banding used by SeedMaster's system also ensures that proper nutrients are available in the fall, giving your winter wheat the strong development it needs before the snow flies.



1.25 in. Furrow depth

0.75 in. Seed depth

0.75 in. Fertilizer to
seed vertical separation

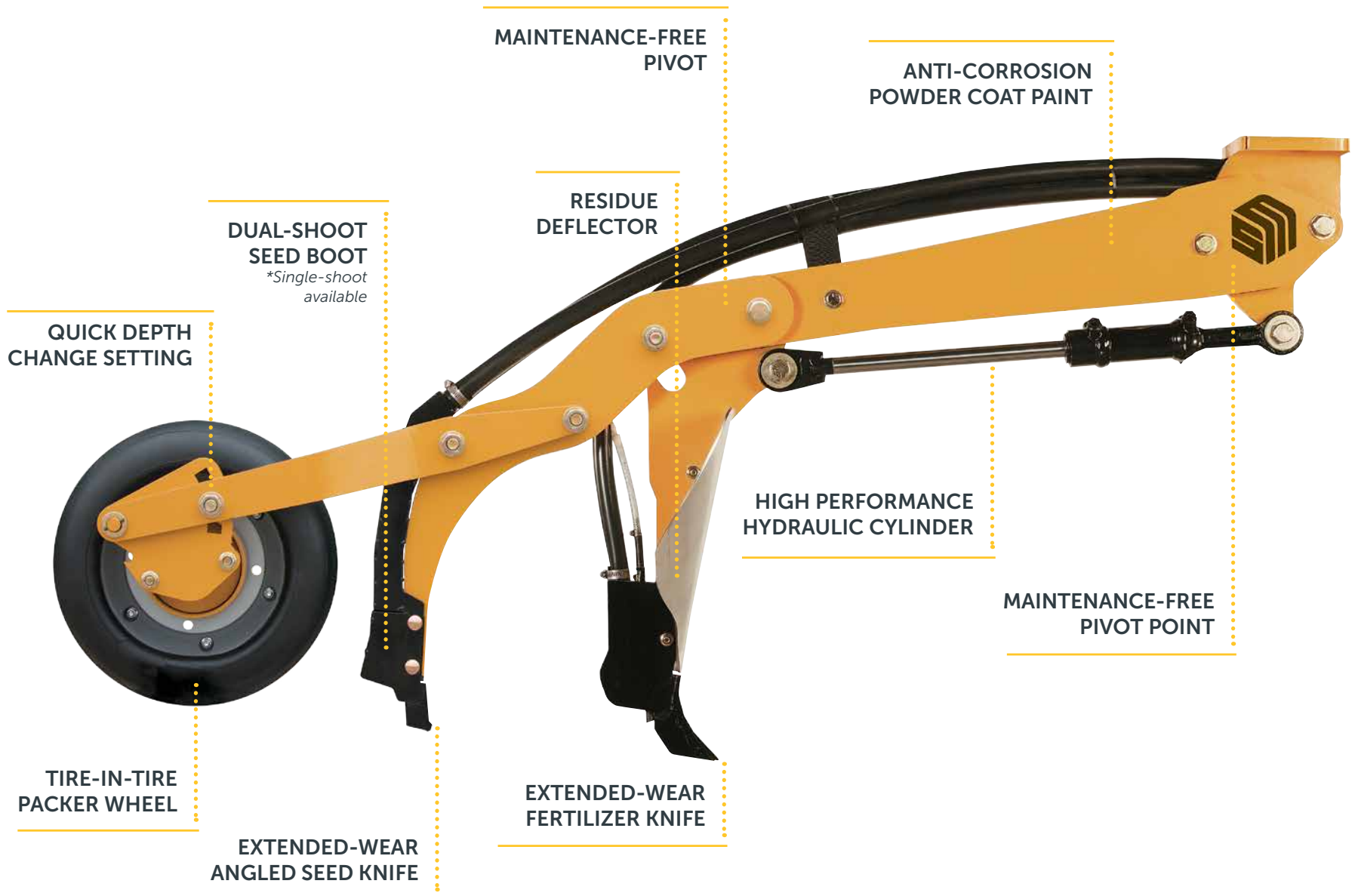
1.5 in. Fertilizer
to seed lateral
separation

**MORE MONEY
IN THE BANK**

HIGHER STUBBLE = HIGHER YIELDS

Research at Agriculture and Agri-Food Canada in Swift Current has found seeding into tall standing stubble generates a higher yield – an average of 17-31% over cultivated stubble.

THE OPENER



THE INNOVATION THAT STARTED IT ALL

This dual knife opener is the first active-hydraulic, ground-following opener. While other manufacturers attempt to imitate our opener, SeedMaster continues to refine our design to be even more precise, efficient and low maintenance, bringing you nothing but the best year after year.

PRECISION SEED AND FERTILIZER PLACEMENT

SeedMaster's dual knife system places both seed and fertilizer precisely and safely in a consistent and shallow seed bed. This gives the seed the best access to the nutrients it needs to grow and flourish with uniform germination. Fertilizer is placed close enough to benefit growth but far enough away to avoid seed burn.

Our opener stands the test of any terrain and soil type, whether it is rolling hills, heavy clay, sandy, or rocky land, the result is always the same – precise product placement for a high-yielding crop. Each opener on our toolbars works independently with on-row packing and maintenance-free pivot points at the frame.

Bonus: Our extended-wear, carbide-tip seed and fertilizer knives offer uncompromising quality. Is it any wonder that farmers look to SeedMaster for precision seeding efficiency? You can trust products made by farmers for farmers.

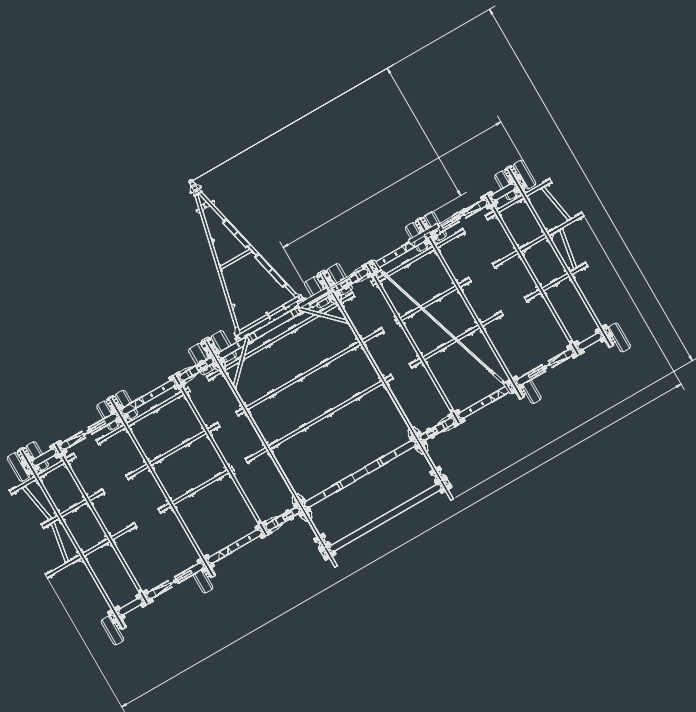
AGRONOMIC BENEFITS

- ▶ The dual knife system with our patented Residue Deflector manages residue leaving the seed row with bare soil. With minimal residue blocking the sun, the soil warms much faster and leads to the quick emergence of crops that SeedMaster is known for.
- ▶ The packer wheel leaves a small furrow that quickly collects rainfall and brings the moisture to the crops.
- ▶ Inter-row seeding provides a sheltered and clean environment for young seedlings and a harsh environment for weeds.

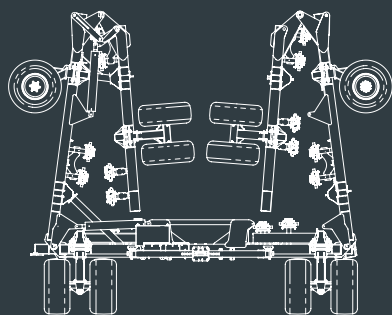
THE TOOLBAR

ENDURING QUALITY

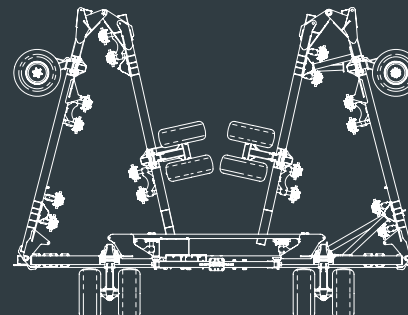
SeedMaster Toolbars are customizable to make sure you get the toolbar that fits your farm. We've paved the way in large-scale air drills; up to 100 feet wide. Our industry leading toolbars save time, fuel, and labour by seeding more acres per pass.



TOOLBAR CONFIGURATIONS



COMPACT M-FOLD



WIDE M-FOLD

WORKING WIDTH		ROW SPACING		# OF ROWS	FRAME STYLE	APPROX TRANSPORT HEIGHT		APPROX TRANSPORT WIDTH		# OF ZONES
FT	M	IN	CM			FT	M	FT	M	
40'	12.19	10"/12"	25.4/30.48	48/40	Compact M	15'11"	4.85	18'4"	5.59	8
50'	15.24	10"/12"	25.4/30.48	60/50	Compact M	13'10"	4.22	19'4"	5.89	8/10
60'	18.29	10"/12"/15"	25.4/30.48/38.1	72/60/48	Compact M	15'9"	4.8	18'8"	5.69	8/10
70'	21.35	10"/12"/15"	25.4/30.48/38.1	84/70/56	Compact M	17'11"	5.46	17'10"	5.44	8/10
72'	21.95	12"	25.4	72	Compact M	19'11"	6.07	17'10"	5.44	8
80'	24.38	12"/15"	30.48/38.1	80/64	Compact M	19'11"	6.07	17'10"	5.44	8/10
80'	24.38	12"/15"	30.48/38.1	80/64	Wide M	17'11"	5.46	24'6"	7.47	8/10
90'	27.43	12"/15"	30.48/38.1	90/72	Wide M	20'9"	6.32	25'8"	7.82	10

*Other sizes are available on request. Customization conditions may apply.

STANDARD FEATURES

► Bolt-Together Frame

Strong, durable and minimizes downtime in the event of a repair.

► Blast to Bare Metal Paint Procedure

Flawless powder coat paint adhesion for an anti-corrosive finish that won't crack, chip or peel.

► Active Wing Brace

Prevents the bolt-together frame from flexing and eliminates wing stress on frames that are 48 feet or wider.

► Easy Hydraulic Hook-Up

Colour matched hoses and racks for easy operator connections.

► TruLine Opener Configuration

Uses mirrored openers to create a skew-neutral frame.

► Smart Openers

Can be lifted out of the ground or lowered into the ground with a quick and easy "UP" and "DN" switch.

► Lift Kit with Active Flotation Hitch

Gives the toolbar superb floatability when pulling through mud.

► Matrix Wing Lock

Partially unfolds each wing for lower transport height, ensuring safe travel under power lines and overpasses.

HITCH OPTIONS

► Patented Smart Hitch

Easily seed between the rows and keep stubble standing.

► Front Walkover Hitch

Quickly access either side of your SeedMaster system.

Nova ready options are available. See page 19.

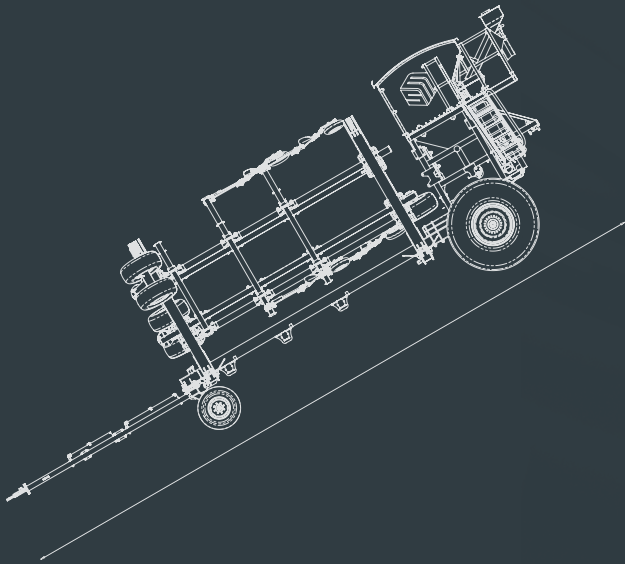




THE ULTRAPRO II ON-FRAME TANK

UNMATCHED PRECISION

The SeedMaster UltraPro II (UPII) saves on seed costs by delivering seed more uniformly than anything else on the market. Match your seed and fertilizer requirements with our customizable toolbar and innovative opener system for improved profitability that you can take straight to the bank.



ULTRAPRO II ON-FRAME TANK SPECS

UPII40

40 Bushel
1,410 Litres
Single Tank

UPII350

350 Bushel
12,334 Litres
Single Tank

UPII360

40/320 Bushel
1,410/11,277 Litres
2-Tank

UPII550

40/240/270 Bushel
1,410/8,457/9,515
3-Tank

**Each tank size is available with the below toolbar configurations.*

ULTRAPRO II ON-FRAME TOOLBAR OPTIONS

WORKING WIDTH		ROW SPACING		# OF ROWS	FRAME STYLE	APPROX TRANSPORT HEIGHT		APPROX TRANSPORT WIDTH		# OF ZONES
FT	M	IN	CM			FT	M	FT	M	
50'	15.24	10"/12"	25.4/30.48	60/50	Compact M	13'10"	4.22	19'4"	5.89	10
60'	18.29	10"/12"/15"	25.4/30.48/38.1	72/60/48	Compact M	15'9"	4.80	18'8"	5.69	10
70'	21.34	12"/15"	30.48/38.1	70/56	Compact M	17'11"	5.46	17'10"	5.44	10
72'	21.95	12"	30.48	72	Compact M	19'11"	6.07	17'10"	5.44	10
80'	24.38	12"	30.48	80	Compact M	19'11"	6.07	17'10"	5.44	10
80'	24.38	12"	30.48	80	Wide M	17'11"	5.46	24'6"	7.47	10

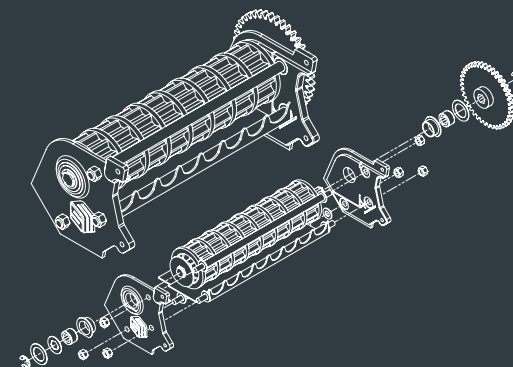
SAVE UP TO \$62,000 ▼

REDUCE SEEDING RATES. ACHIEVE MAXIMUM YIELDS.

Save up to \$62,000 in seed costs on 2,500 acres of canola by choosing the UltraPro II.

UPII CANOLA ROLLER ▼

Evenly space seed while reducing uneven clumps and gaps that occur in most bulk metering rollers.



**Other sizes are available on request. Customization conditions may apply.*



SEED  MASTER



STANDARD FEATURES

▶ 1.25" Venturi Size

Increase in venturi "throat" size to allow for high metering capacity, accommodating all seed sizes and seeding rates.

▶ Tank Configurations

Our two tank option meters into one air-stream, eliminating the need for a dual shoot seed boot. (1, 2 & 3 tank options available)

▶ High-Capacity Individual Distribution Lines

Meters more product with uniformity to all parts of the drill.

▶ Roller Options

Pulse, cereal, canola, inoculant and fertilizer options available.

▶ Non-Pressurized Tanks

▶ Low-Speed Fans

Gently moves high volumes of any seed, inoculant or fertilizer directly to the appropriate knife for safe and efficient distribution.

▶ Accurate Inoculant Placement

Accurate inoculant metering into the seed airstream and furrow.

OPTIONS

▶ Raven Viper 4+

Easily control and monitor multiple functions.

▶ Variable Rate Ready

Use with Raven Viper 4+ for five-product variable rate application.

▶ Overlap control with Auto Zone Command

Prevents the double application of seed and fertilizer.

▶ Real-Time Product Weighing

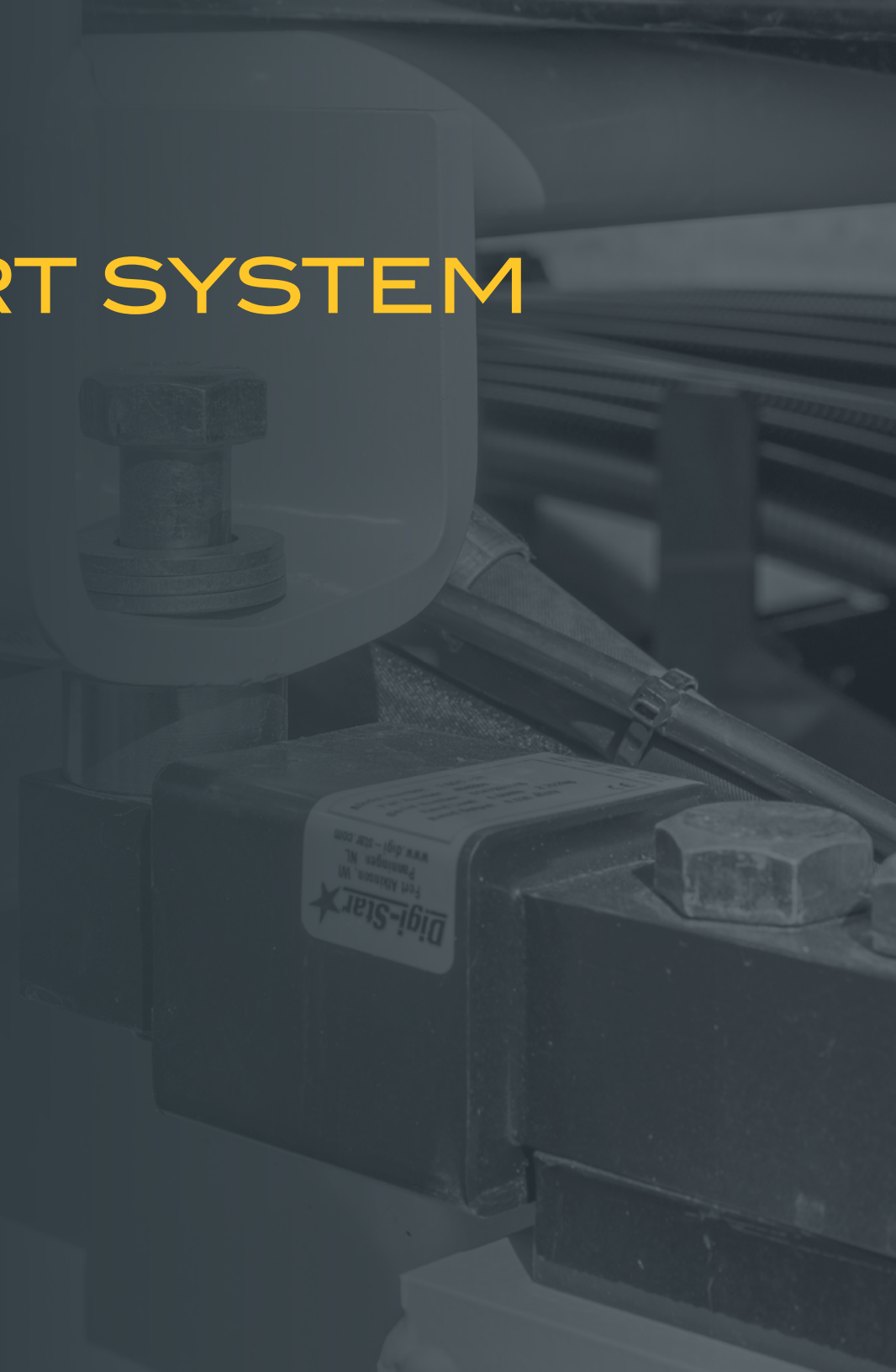
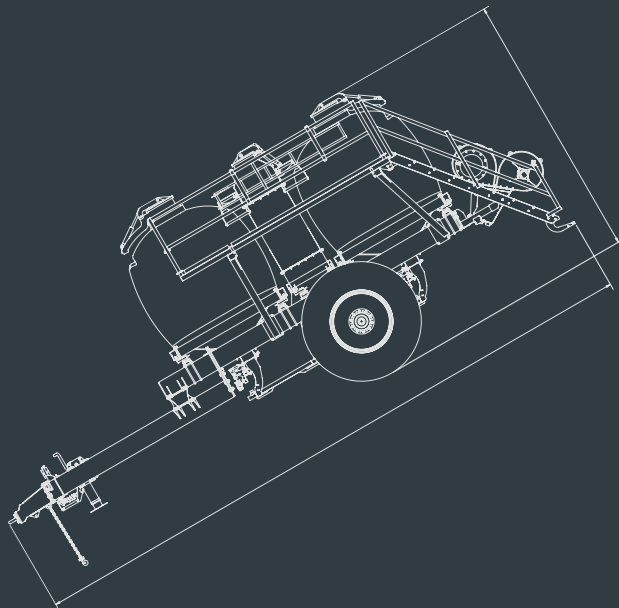
Ensures you have the right amount of product in each tank to finish off the field. **Requires load cell technology.*

▶ XeedSystem See page 21.

THE NOVA AIR CART SYSTEM

EFFICIENCY AT ITS FINEST

SeedMaster's Nova air cart has a huge distribution capacity (up to 820 bushels), making it easy for you to go the distance and improve seeding efficiencies. The Nova works with the SeedMaster toolbar seamlessly, and with 10 zones of metering, it is gentle, nimble and user friendly.



NOVA TANK SPECS

FEATURE	520	560	630	780	820
Total bushel capacity (bu / l)	520 / 18,324	520 / 18,324	630 / 22,201	780 / 27,487	820 / 28,896
Dry weight <i>*approx.</i> (lbs / kg)	15,500 / 7,031	17,500 / 7,938	19,400 / 8,800	27,700 / 12,565	29,500 / 13,381
Length with conveyor (ft / m)	35' / 10.7	36' / 11	35' / 10.7	42' / 12.8	43' / 13.1
Width – dual tires (ft / m) <i>*Widest configuration noted. Narrower options may be available.</i>	21'6" / 6.6	21'6" / 6.6	21'6" / 6.6	21'6" / 6.6	21'6" / 6.6
Width – tracks (ft / m)	21' / 6.4	21' / 6.4	21' / 6.4	21' / 6.4	21' / 6.4
# of 260 bushel tanks / # of 9,163 litre tanks	2	2	2	3	3
# of 110 bushel tanks / # of 3,876 litre tanks	N/A	N/A	1	N/A	N/A
# of 40 bushel rear-mount tank / # of 1,410 litre rear-mount tank <i>*For tow-behind models only.</i>	OPTIONAL	1	N/A	OPTIONAL	1
Real-time product weighing technology and in-cab readouts	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Auto Zone Command™	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Dual cart wheels 710-70R38 on 1030 hubs	OPTIONAL	OPTIONAL	OPTIONAL	✓	✓
Single cart wheels 800-65R32	✓	✓	✓	N/A	N/A
Camsco Track	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Liquid fertilizer (Change rear 260 bushel tank to 2,000 imp gal)	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL (Tow behind model only)	OPTIONAL (Tow behind model only)
High-capacity, all-hydraulic 16/28 conveyor with slide-out hopper	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL

STANDARD FEATURES

► Remote Hydraulic Lids

Lids close automatically. Reduces labour, climbing and fill times.

► Raven Viper 4+ Field Computer

Control and monitor multiple functions on one display.

► Overlap Control

► Single or Dual Shoot

Allows for the use of seed or seed and fertilizer.

► Dual Airstreams

Can manage up to 350 lbs of product on a 48 to 100 foot drill.

► Split Tanks

Handles up to 4 products at once; ideal cart for varying fertilizer rates and commodities to suit your farm.

► Isolated Airstreams

Runs low air speeds for canola and fragile seeds, and high speeds for fertilizer.

► 10 Zones of Bulk Metering

Designed to carry the correct amount of product to your tower.

OPTIONS

► Real-Time Product Weighing

Real-time access to product levels in each tank. **Requires load cell technology.*

► High-Capacity Conveyor with Slide Out Hopper

► Camso Tracks

► Variable Rate Ready

► Liquid Fertilizer Tank





SEEDMASTER TECHNOLOGY

INNOVATIVE TECH

SeedMaster leads the industry in innovative technology; designed to increase savings and profits while making it as easy on the farmer as possible. Our complete SeedMaster systems, including our innovative tech, are designed to do it right the first time.



XEEDSYSTEM

A precision seeding platform that accurately measures product flow through each run. The XeedSystem continuously monitors and displays product flow in real time. The monitor possesses an instant blockage alarm that is variable rate compatible and the XeedSystem can identify row-to-row variance in product flow. SeedMaster's Tunable Towers can be adjusted to reduce variance and provide more precise bulk distribution.



TUNABLE TOWERS

The Tunable Tower is located in the distribution manifold and is a standard feature on all Nova Ready SeedMaster toolbars. Working with the XeedSystem, product flow can be identified through each run in real time.

Features:

- ▶ Centre-cone adjustment allowing balanced product and airflow to each individual run.
- ▶ Unrestricted, 1 inch internal diameter from manifold to shank.
- ▶ Matched with 10-zone Nova air carts.
- ▶ Equal length primary hosing providing consistent back-pressure and distribution.

AUTO ZONE COMMAND

SeedMaster's patented Auto Zone Command is overlap control at its best, by preventing double application of seed and fertilizer in irregular fields and at headlands. Driven by the Raven Viper4+ in-cab field computer, it generates cost savings of 5-15% on most farms. Auto Zone Command puts you in control of overlaps by:

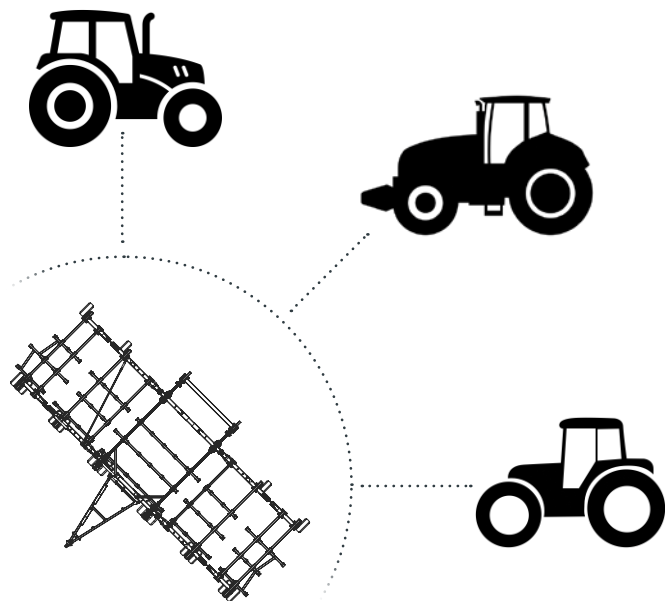
- ▶ Saving on inputs.
- ▶ Reducing agronomic problems on overlaps like lodging, earlier maturity, stunted crops, and reduced yield.
- ▶ Working automatically with GPS and autosteer, pneumatic cylinders start and stop the metering rollers automatically.



SMARTCAL

This technology finely tunes your entire metering system to the ever-changing conditions on your farm, such as humidity, inconsistent fertilizer and static electricity.

**This equipment is standard on Nova tanks but optional on all on-frame tanks.*



ISOBUS READY

Plug and play with our ISOBUS-ready machines. Use any ISOBUS field computer to use any of these SeedMaster features.

Toolbar:

- ▶ Smart Openers: Lift or drop all openers with the flip of a switch.
- ▶ Smart Hitch: Guides the openers between last year's stubble rows.
- ▶ Automatic Packing Pressure: Monitor and control packing pressure.
- ▶ Matrix Wing Lock: Decreases height to get under low power lines.

On-Frame and Nova Air Cart Metering System:

- ▶ Up to 16 zones of Auto Zone Command. **Some conditions apply*
- ▶ Load cells for tank weights on each product tank.
- ▶ Applied product calibration.
- ▶ Multi product combinations.
- ▶ Easy-to-use, set-up and run screen.



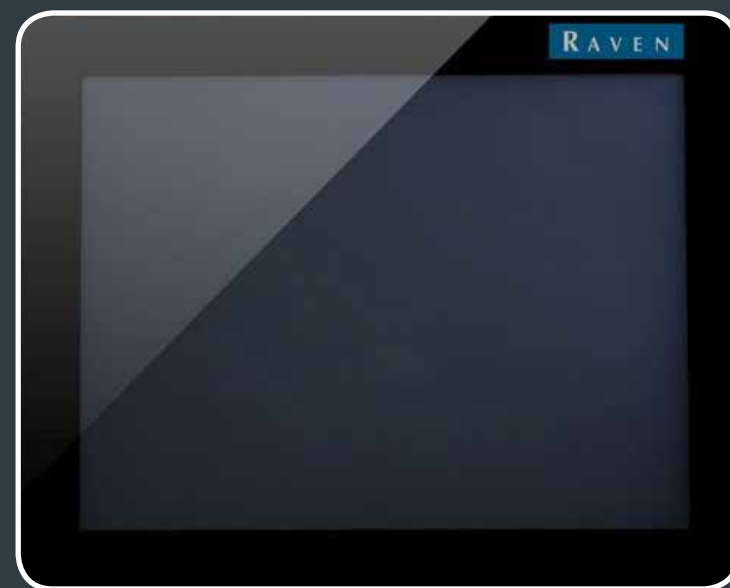
AXIS 360 MOBILE MONITORING

SeedMaster's Axis 360 Mobile Monitoring system is extremely versatile. It is wireless magnetic and can be mounted anywhere. This system works with the SeedMaster Axis tablet to help monitor your SeedMaster system from all angles.

Five wireless, magnetic and waterproof cameras can be applied to any machine and area for monitoring. The cameras can be used at night with the infrared night-vision mode and you can view each camera in preset intervals in auto-scroll mode. You can add up to 3 more individual cameras bringing your viewing total to 8 cameras if you choose.

RAVEN VIPER 4+ FIELD COMPUTER

The Raven Viper 4+ allows growers to control and monitor multiple functions on one display. This field computer pulls many of SeedMaster's innovative technologies together in one easy to access location.



SeedMaster 70' Toolbar
with 12" Row Spacing,
UltraPro II 360 and 780 Nova





WE'RE
FARMERS
TOO



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