NO-TILL DISC DRILL

DSX
MDSX

HORIZON

regeneration through innovation

Contents

Why Choose the DSX or MDSX?

Reduce inputs, restore soil health, capture carbon and enhance biodiversity, all whilst growing fantastic crops.

Regenerative Agriculture.

With a huge proportion of global farmland in such a depleted state, farmers must now find ways to not only conserve their soils, but to regenerate them. That's where regenerative agriculture comes in, providing farmers with systems to sequester carbon and allow their natural ecosystems to flourish again, whilst still producing profitable crops.

The 5 Pillars of Regenerative Agriculture.

- Minimize soil disturbance
- Keep the soil covered
- Maintain living roots in the soil
- Maximize plant diversity
- Reintroduce livestock

The Horizon Farm.

At the heart of Horizon Agricultural Machinery Ltd is the Sly family farm, which serves as a living example of regenerative agriculture in action. We have fully embraced regenerative principles, including no-till direct drilling for all combinable cereal crops, lengthening and diversifying our crop rotation and introducing cover crops to protect and nourish the soil throughout the year.

We have also reintroduced sheep to graze over winter covers and established maize and sugar beet crops into living cover crops through strip-tillage, ensuring that the land remains fertile and healthy. Our commitment to innovation extends to adopting agroforestry techniques, planting hazelnut and walnut trees in 24-meter strips alongside our arable crops. We have also focused on reducing synthetic fertilizer and herbicide applications, striving to find natural alternatives that promote soil health.

Crop Establishment & Regenerative Agriculture with the DSX/MDSX.

The DSX is the ultimate no-till disc drill, specifically designed to help farmers overcome the challenges of establishing crops whilst practicing regenerative agriculture techniques. No longer does a seed drill simply just place one variety of seed into a prepared and uniform seedbed, regenerative farmers require a seed drill that can do all of the following;

- Minimizing soil disturbance helps keep carbon locked in the soil and prevents buried weed seeds from surfacing and growing, reducing the need for herbicide applications.
- Overcome a variety of residue scenarios to create a clean, residue free seeding environment.
- Consistently penetrate into challenging no-till soils to ensure optimal seed depths are achieved for a uniform emergence.
- Accurately place multiple seed, biology and nutrition products simultaneously in different depths and locations.
- Effortlessly close the seeding zone to conserve humidity and protect the seedling from predators.

Regenerate Your Soil.

Market Leading Gen 3 Row Unit.

High Performance In All Conditions.

Modular Design.

Lower Fuel Costs.

DSX Product Range

Trailed no-till drills with high capacity hoppers.

DSX 3-4m

Trailed 3m and 4m rigid chassis.

Learn More on Page 8

DSX 4-7.2m

Trailed 4m, 4.8m, 5m, 6m and 7.2m folding chassis.

Learn More on Page 10

DSX 7.5-9m

Trailed 7.5m, 8m and 9m folding chassis.

Learn More on Page 12

All trailed DSX's fold up for road transport within the EU road limits of 3m wide and 4m tall.

MDSX Product Range

Same DSX performance on a smaller, more agile, 3-point linkage platform.

MDSX 3m

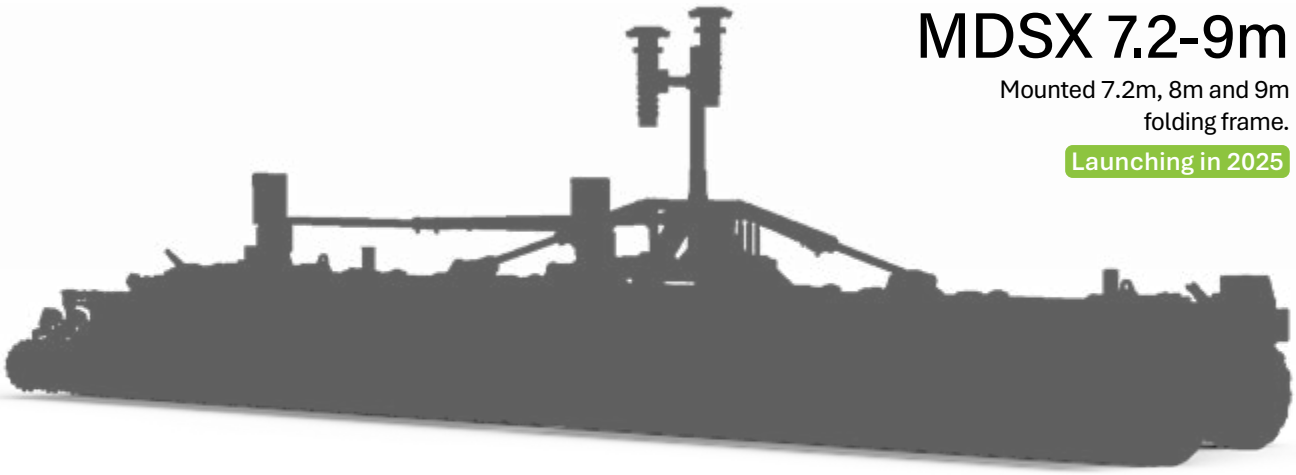
Mounted 3m rigid frame.

Learn More on Page 14

MDSX 4-6m

Mounted 4m, 5m and 6m folding frame.

Learn More on Page 16



MDSX 7.2-9m

Mounted 7.2m, 8m and 9m folding frame.

Launching in 2025

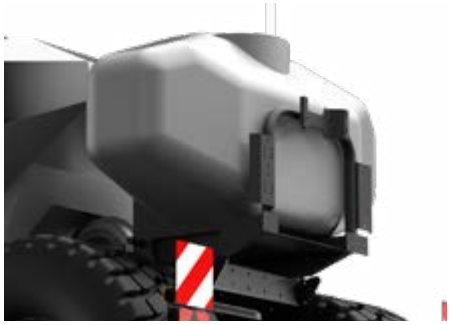
All mounted MDSX's fold up for road transport within the EU road limits of 3m wide and 4m tall.

DSX 3-4m

Trailed 3m and 4m rigid chassis.

The 3-4m DSX is compact and highly manoeuvrable, making it perfect for smaller fields or areas with tight spaces. It is the perfect machine for no-till farmers who operate with a 105hp-140hp tractor, capable of covering up to 2.5ha an hour.

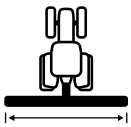
The 3-4m DSX features an optional integrated third tank, ideal for small seeds or micro-granular products which can be distributed into the DSX airflow. Without this optional third tank, the volume is integrated into the main hopper capacity.



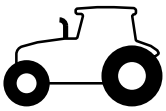
An optional liquid tank can be fitted to the 3-4m DSX. The tank has a 750L capacity with an additional 125L of clean water.

DSX 3-4m

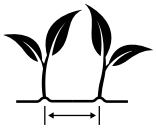
Trailed 3m and 4m rigid chassis.



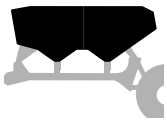
3m and 4m Working Widths.



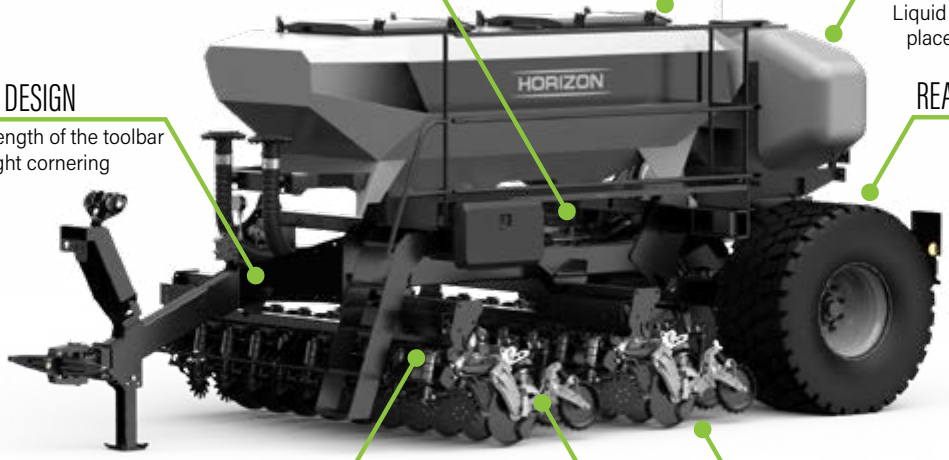
35hp Required Per Meter.



16.7cm, 18.75cm, 20cm and 25cm Row Spacings.



4000L Pressurised Hopper.
4050L Total With 3 Hoppers



METERING SYSTEM
All seed types, multi-rate, easy calibration

4000L PRESSURISED HOPPER
Split 60/40, 4050L total volume with integrated third tank

FERTILISER TANK OPTIONS
Liquid / solid fertiliser placement options

AGILE DESIGN
The shape and length of the toolbar enables tight cornering

REAR FLOTATION TYRES
560mm | 710mm

EXPANDABLE MODULAR FRAME
3m rigid frame can be increased to 4m with toolbar extensions

FLEXIBLE ROW SPACING
16.7cm | 18.75cm | 20cm | 25cm

MARKET LEADING GEN 3 ROW UNIT

Optional 750 Litre Liquid Nutrition Tank

40% 1700 Litre Main Hopper

Optional 250 Litre Third Hopper

60% 2100 Litre Main Hopper

Illustration shows 4050L total with 3 hoppers, two hopper configuration would be 1700:2300, total 4000L.

DSX 4-7.2m

Trailed 4m, 4.8m, 5m, 6m and 7.2m folding chassis.

A balanced option for medium to large-scale operations, this platform combines increased working width with ample hopper capacity, reducing the need for refilling and maximizing productivity. The perfect machine for no-till farmers who operate with a 140hp-250hp tractor, the 4-7.2m DSX can cover up to 4.8ha an hour.

The 4-7.2m features a high capacity hopper that is wider and lower than our previous design, lowering the centre of gravity and making it incredibly stable and easier to fill.

The folding wing design ensures the 4-7.2m DSX can be easily transported and is well suited for narrow roads.

DSX 4-7.2m

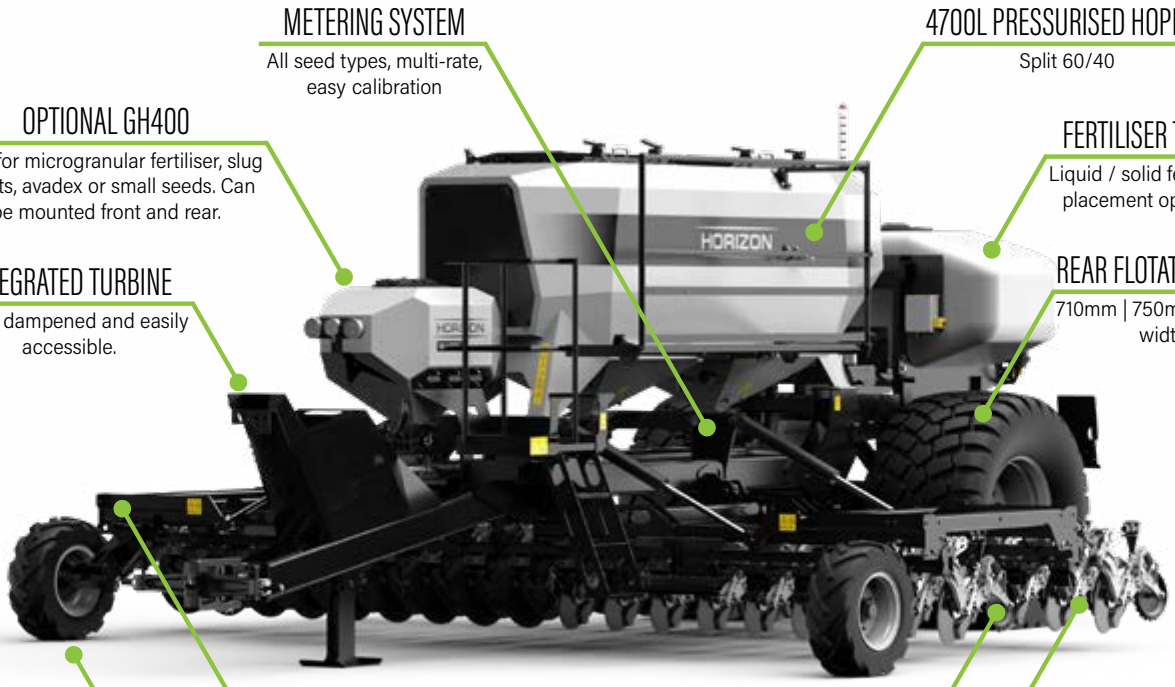
Trailed 4m, 4.8m, 5m, 6m and 7.2m folding chassis.

4m, 4.8m, 5m, 6m and 7.2m Working Widths.

35hp Required Per Meter.

15cm, 16.7cm, 18.75cm, 20cm and 25cm Row Spacings.

4700L Pressurised Hopper.



Optional 1500 Litre Liquid Nutrition Tank

60% 2820 Litre Main Hopper

40% 1880 Litre Main Hopper

Optional 400 Litre Granular Hopper

DSX 7.5-9m

Trailed 7.5m, 8m and 9m folding chassis.

Designed for no-till farmers who require a high output seeder which can offer a variety of row spacing options in a compact and manoeuvrable platform. Its large hopper minimizes downtime, while its width ensures rapid coverage, making it the perfect machine for no-till farmers who operate with a 260hp – 350hp tractor and cover up to 6ha an hour.

A unique three-section toolbar design means the 7.5-9m DSX is easily transported on the road with no need for an escort, unusual for such a high output machine .

The 7.5-9m chassis features contour following wings, allowing movement of up to 5 degrees, both up and down, for consistent seed placement.

DSX 7.5-9m

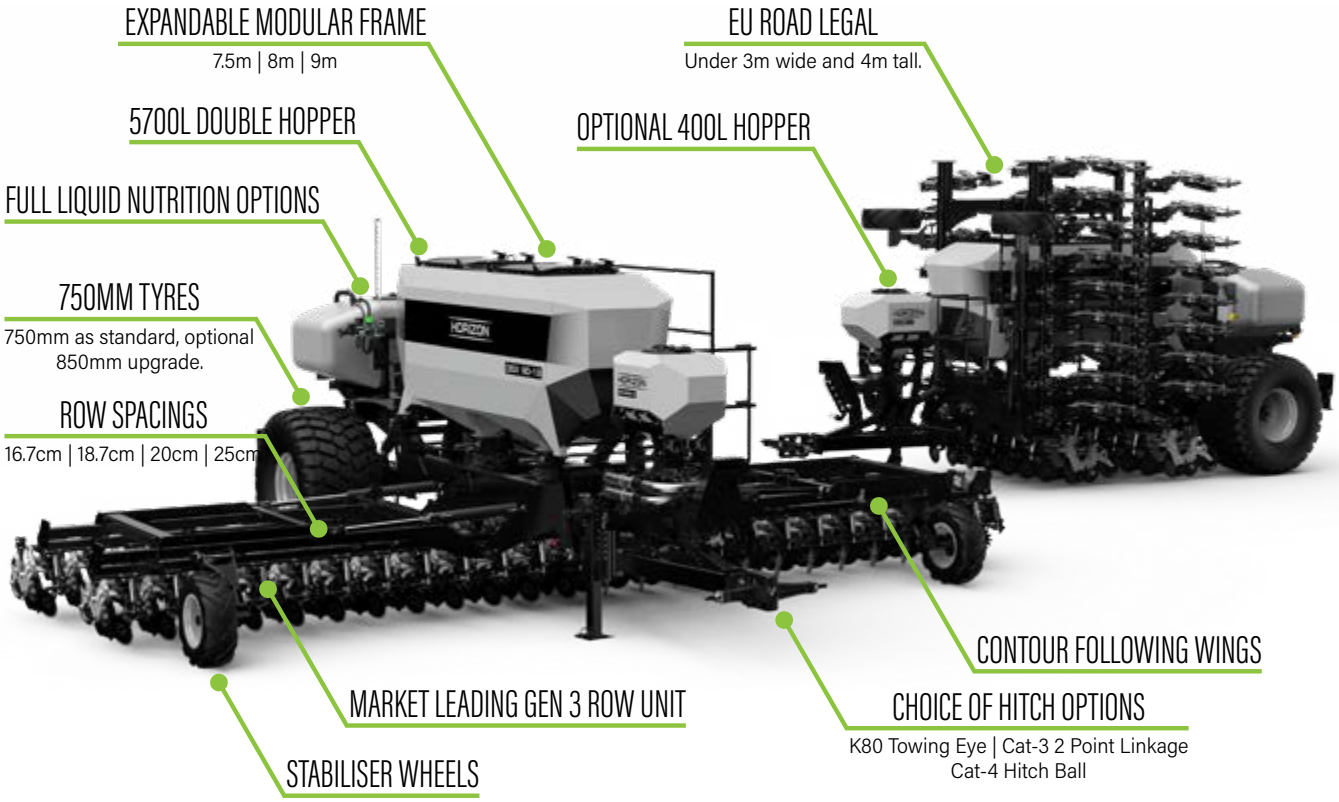
Trailed 7.5m, 8m and 9m folding chassis.

7.5m, 8m and 9m Working Widths.

35hp Required Per Meter.

16.7cm, 18.75cm, 20cm and 25cm Row Spacings.

5700L Pressurised Hopper.



Optional 1500 Litre Liquid Nutrition Tank

40% 2280 Litre Main Hopper

60% 3420 Litre Main Hopper

Optional 400 Litre Granular Hopper

MDSX 3m

Mounted 3m rigid frame.

Our 3m MDSX is ideal for smaller fields or operations where manoeuvrability and simplicity are key. Its non-folding design ensures maximum stability during operation, making it perfect for precise seed placement in tighter spaces or uneven terrain. Requires a minimum of just 75hp and capable of covering 1.7ha an hour.

Why Choose the 3m MDSX?

Our 3m MDSX brings the market leading seeding technology found on our trailed DSX drills to an extremely lightweight platform, ideally suited to farmers looking for a more compact option. The 3m MDSX features a single rigid toolbar, which means that a huge variety of row spacings and seeding configurations are possible, which can easily be adjusted thanks to the toolbar's clamping profile. The MDSX can be combined with a FT2200 pressurised front hopper, and can also be paired with either a GH400 granular hopper or a 750L liquid nutrition tank mounted on the MDSX frame.

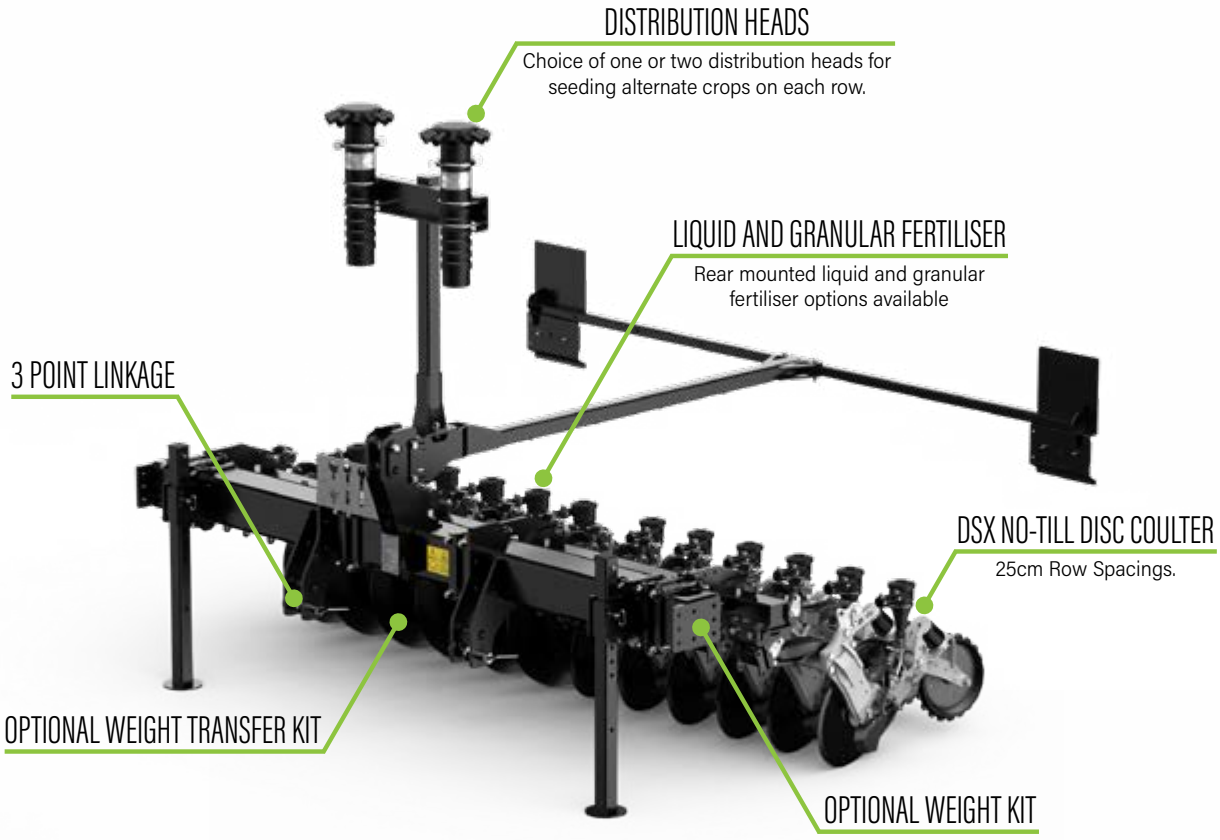
MDSX 3m

Mounted 3m rigid frame.

3m Working Width.

25hp Required Per Meter.

25cm Row Spacings.



MDSX 4-6m

Mounted 4m and 6m folding frame.

Suitable for mid to large scale operations, this folding model offers an increased working width while maintaining transport-friendly dimensions. The folding design allows for easier navigation through narrow roads or gates, making it an excellent choice for farms requiring flexibility without compromising efficiency. Requires a minimum of just 100-150hp and is capable of covering up to 3.4ha an hour.

Why Choose the 4-6m MDSX?

The 4-6m MDSX is ideal for farmers looking to operate with an incredibly capable no-till disc drill on a 3-point linkage platform. The 4-6m offers a mid to high output in a compact, lightweight and agile design which is ideal in small fields and wet conditions.

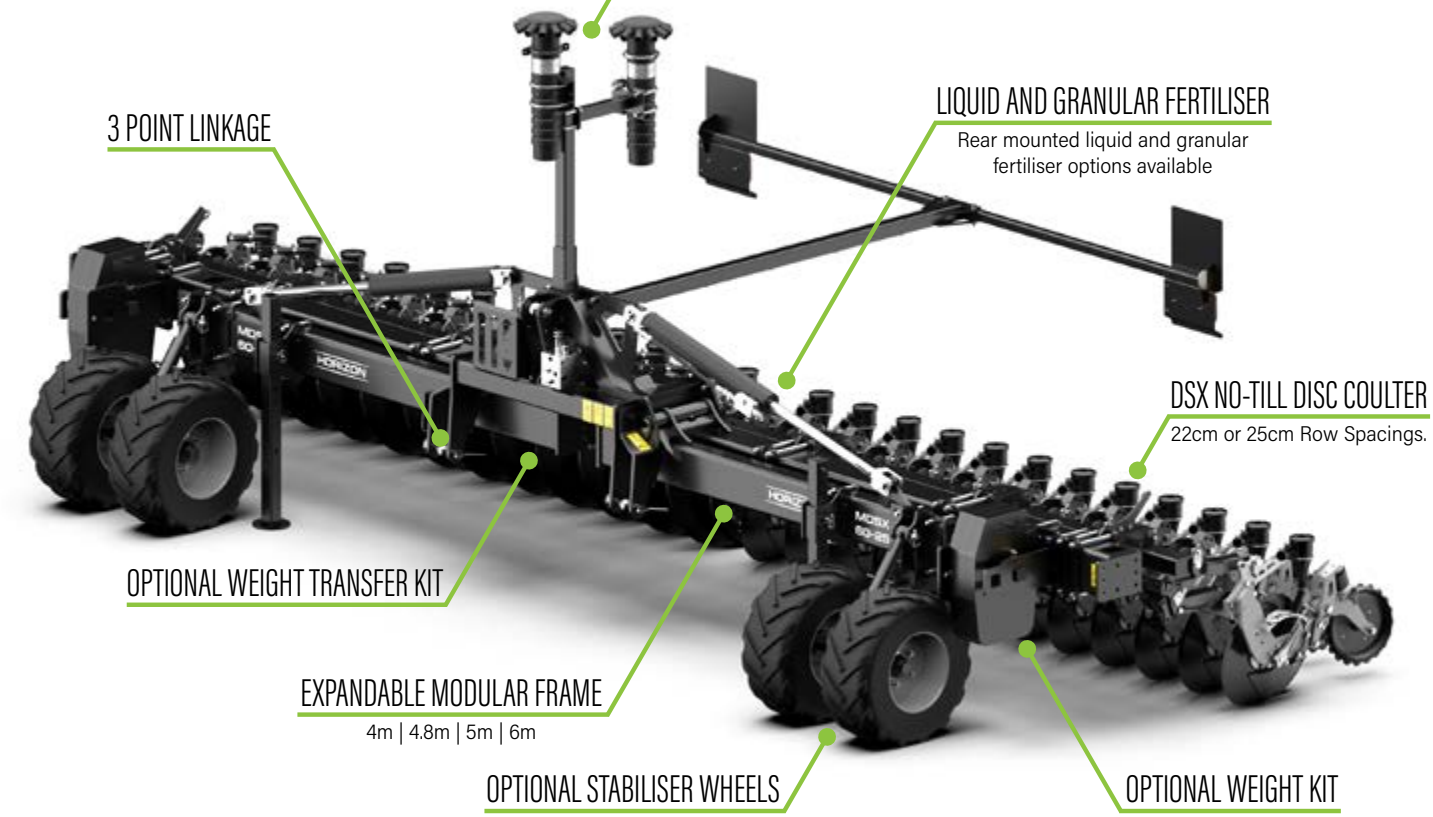
MDSX 4-6m

Mounted 4m and 6m folding frame.

4-6m Working Width.

25hp Required Per Meter.

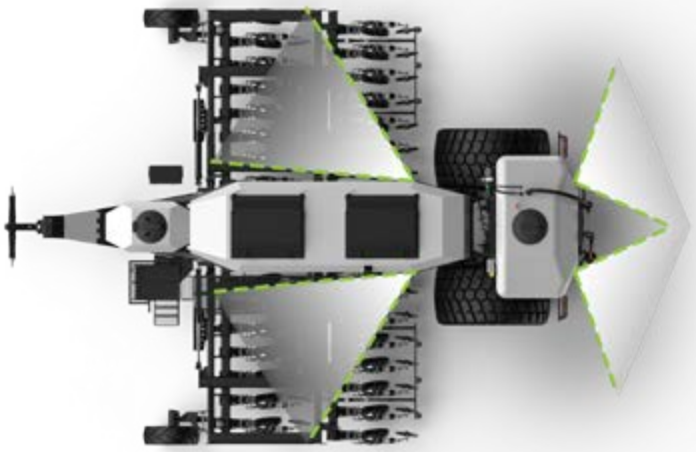
22cm and 25cm Row Spacings.



To demonstrate the versatility of the MDSX, pictured above is a 6m MDSX combined with a rear mounted liquid nutrition tank and FT2200 front hopper. This combination creates an extremely versatile and efficient no-till drill, all in an agile, lightweight package.

DSX Operator Comfort

Options to assist and improve the operator's experience.



Working Light Kit.

The working light kit is an option for the DSX and consists of 6 lights which illuminate the wings and row units, behind the drill and the metering units under the hopper.

Toolbox

On-board storage for tools, calibration scales and metering rollers.

Hydraulic Hose Organiser

Slots for storing hose connectors, with hoses routed through the draw-bar.

Colour Coded Hoses

Easily identify the function of each hydraulic hose.

Calibration Scale Hook

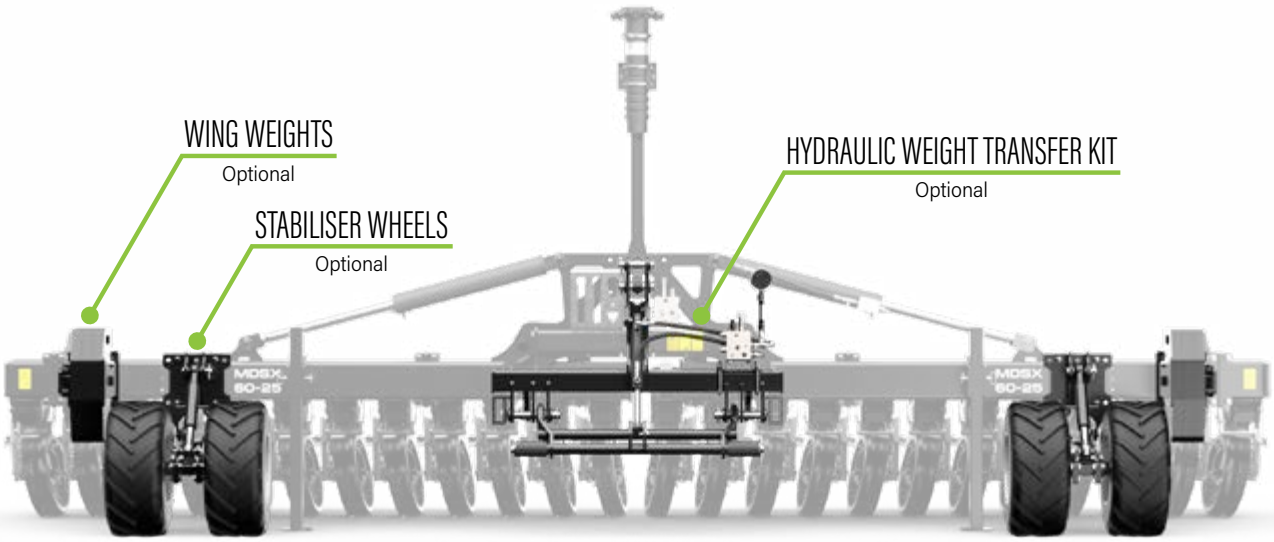
Dedicated hook for weighing calibration bags.

Camera Options.

The DSX can be equipped with either an infrared reversing camera or infrared internal tank cameras to monitor the level of product. These cameras are connected to a screen inside the cab.

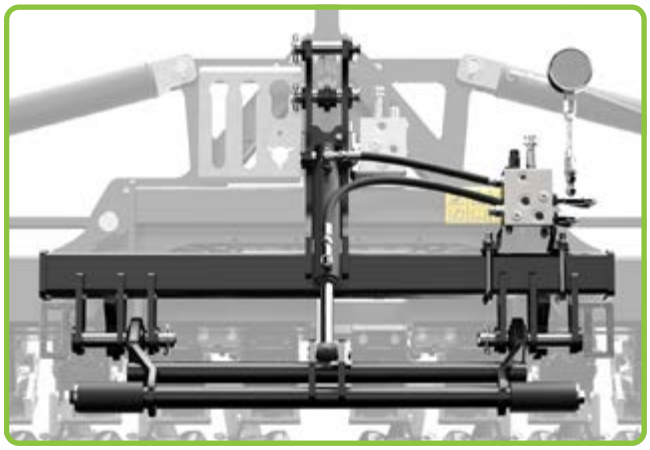
MDSX Frame Options

Wing weights, stabiliser wheels and hydraulic weight transfer system.

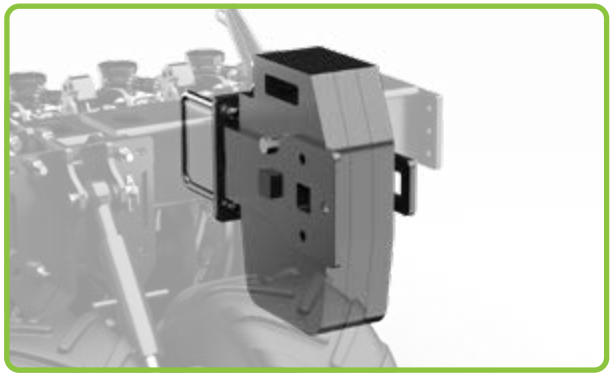


Increase downforce without weight blocks.

When working in a variety of different soil types and weather conditions the MDSX may require additional weight to ensure optimum ground engagement. The MDSX Weight Transfer Kit allows the operator to transfer any weight between 0-800kg from the tractor linkage directly to the MDSX row units and mitigates the need to carry bulky wing weights.



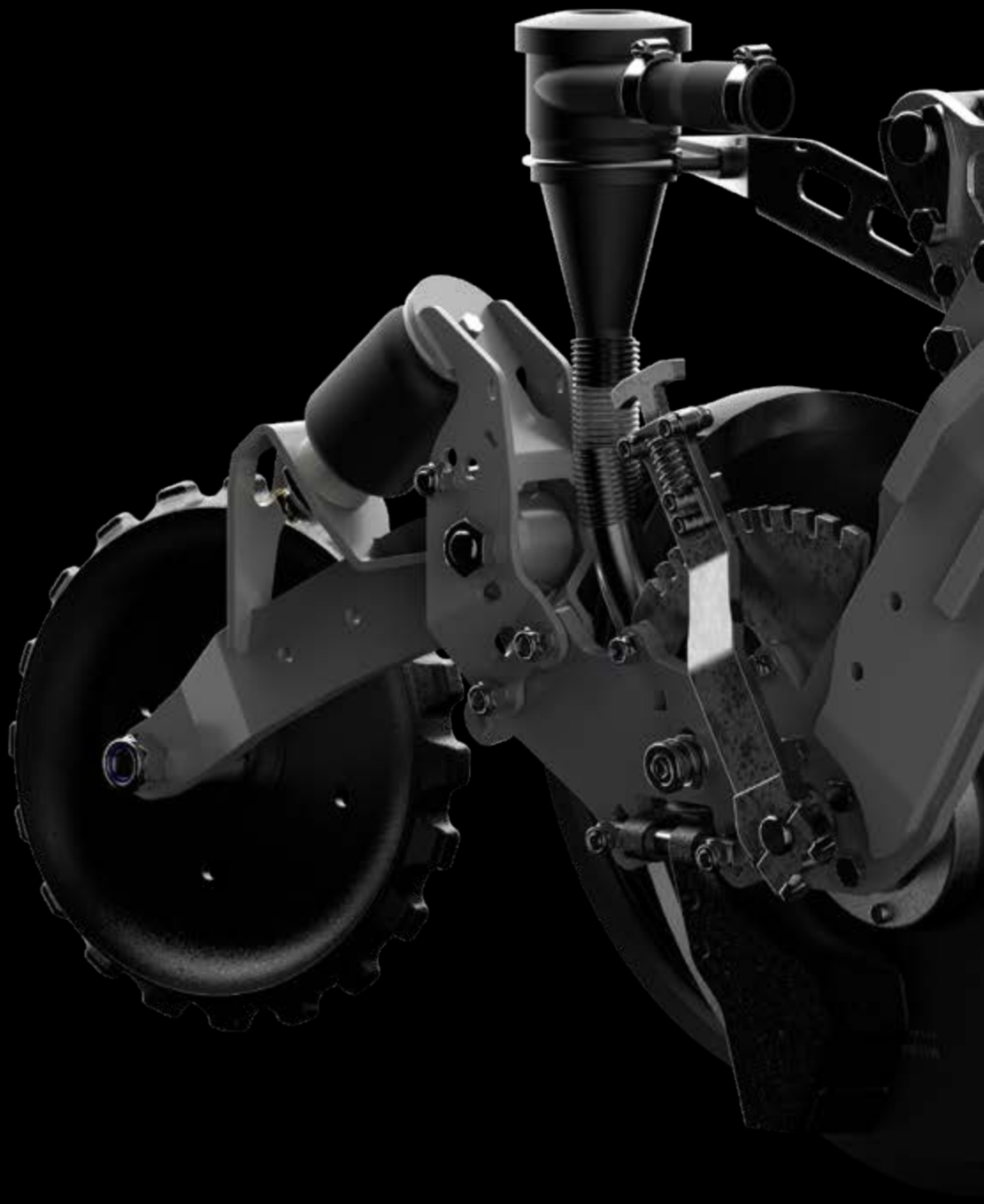
Optional 400kg* wing weight kit.

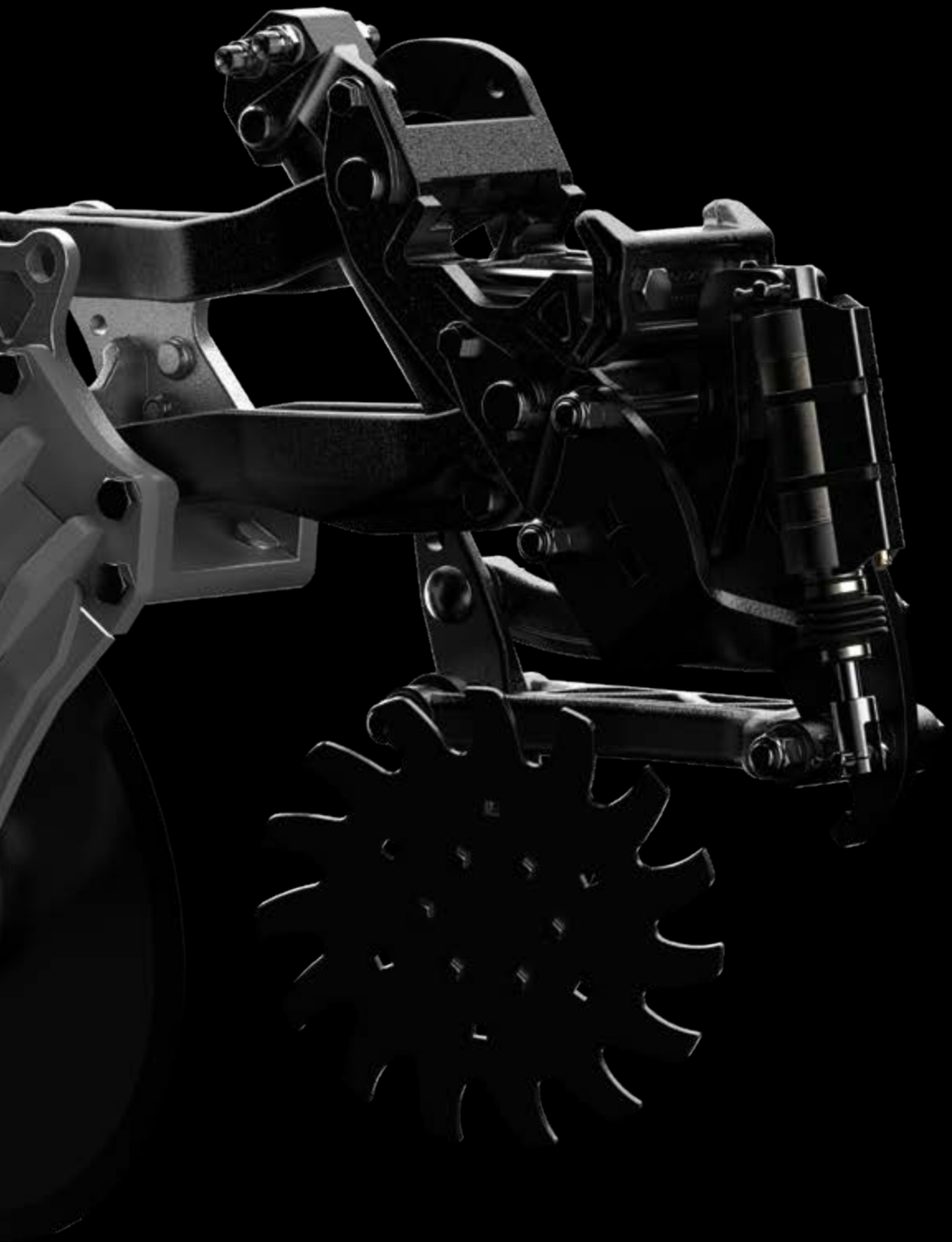


Optional stabiliser wheels.

*200kg each side, made up of 55kg plates.

Row Unit





Row Unit

The most technologically advanced row unit on the market.

GEORGE SLY - FOUNDER, OWNER

D-CUP AIR DIFFUSER

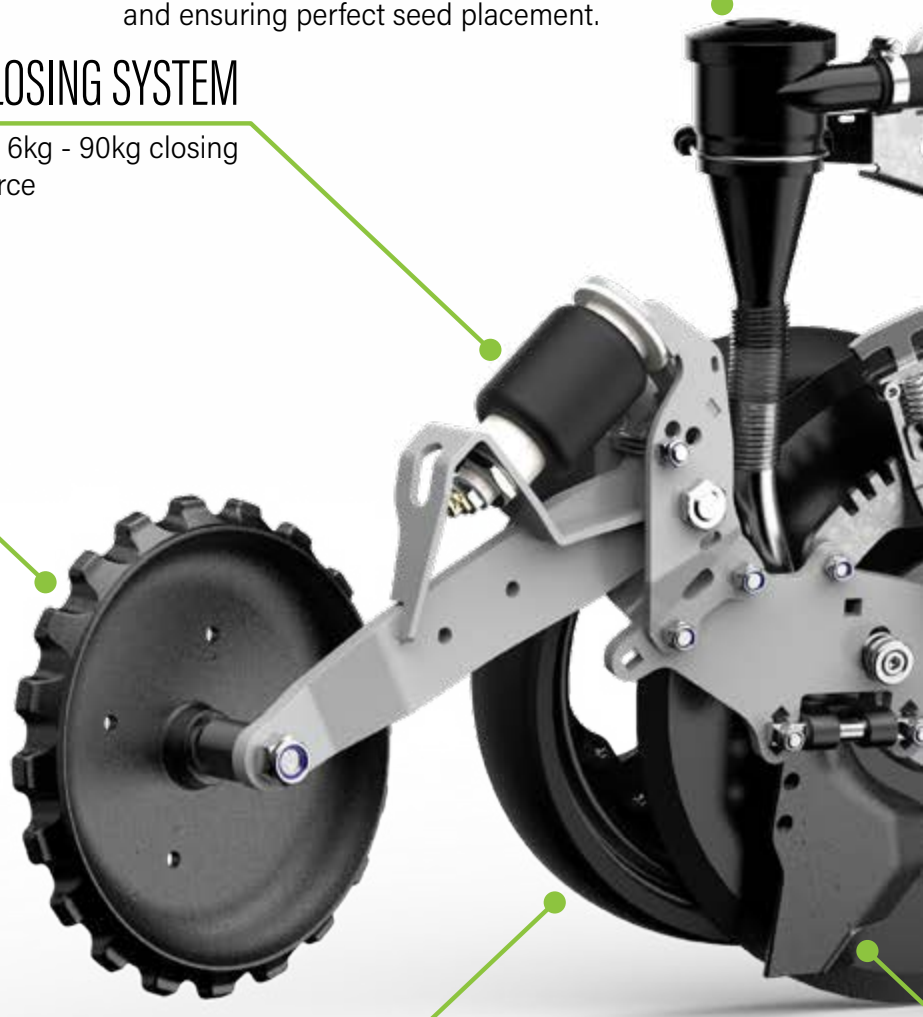
Removes 100% of air from the seed hose, eliminating any potential seed bounce and ensuring perfect seed placement.

PNEUMATIC CLOSING SYSTEM

In-cab controlled | 6kg - 90kg closing force

REAR CLOSING WHEEL

Fractures soil and closes the slot, even in the toughest conditions



DEPTH WHEEL

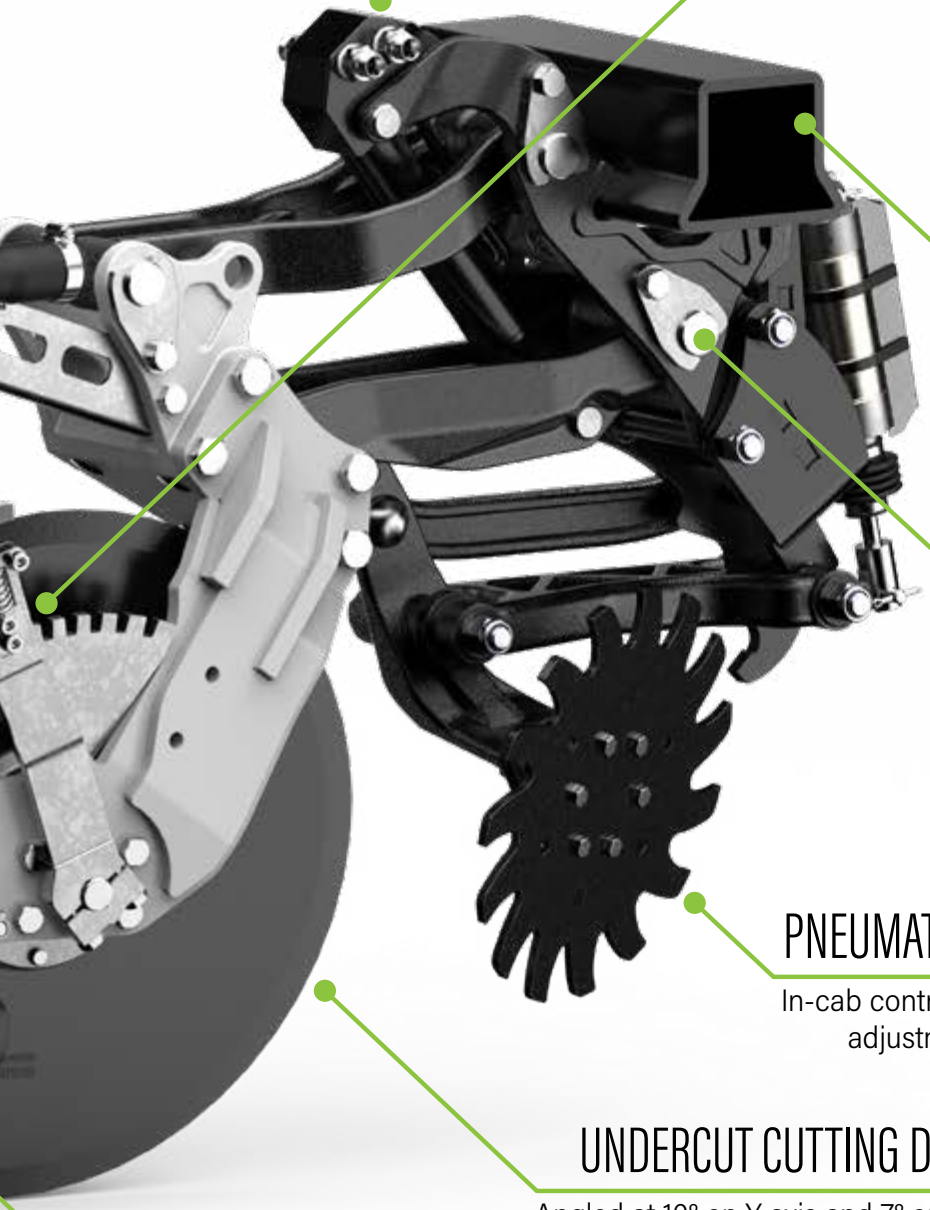
Positioned at point of seed delivery for perfect seed placement

HYDRAULIC PARALLEL LINKAGE

0kg - 300kg downforce | 370mm contour following

SIDE GAUGE DEPTH SETTING

Easy to adjust | 10mm increments



CLAMPING TOOLBAR

Easy to adjust working widths, or add/remove row units. Extremely stiff and robust.

LOW MAINTENANCE, LONG LIFE BUSHES AND BEARINGS

Our sealed bushes are made of high strength alloy steel with PTFE coating and there are no grease nipples on the whole row unit.

PNEUMATIC ROW CLEANERS

In-cab controlled for quick and easy adjustment | CleanSweep

UNDERCUT CUTTING DISC

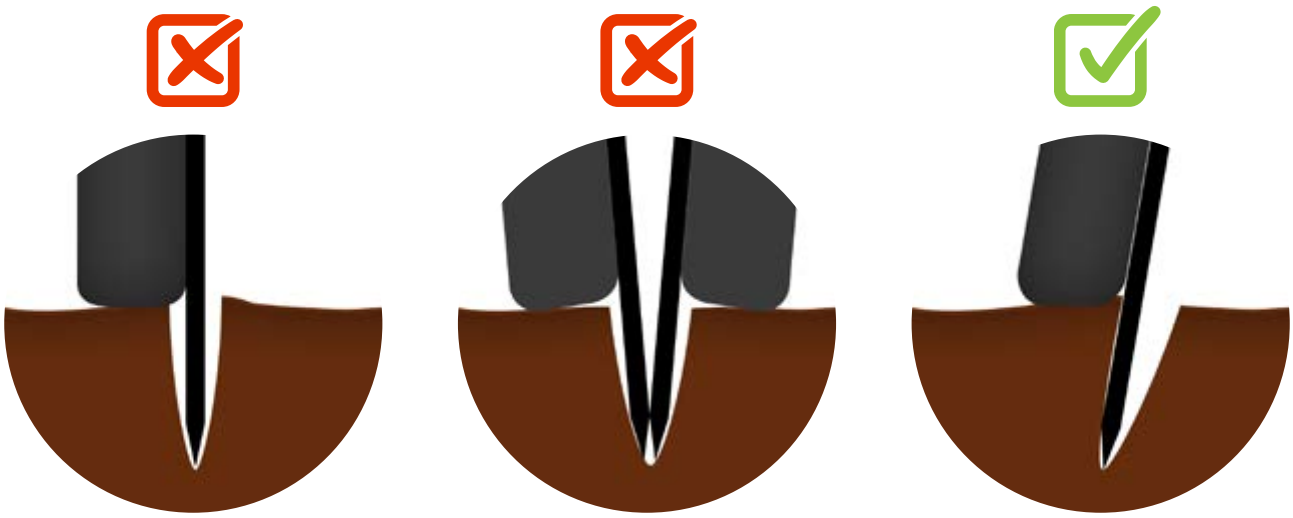
Angled at 10° on Y axis and 7° on X axis, creating excellent penetration and slot closure even in very hard conditions.

CAST SEED BOOT WITH HEIGHT ADJUSTMENT

Spring loaded for consistent disc engagement, made from hardened steel with a carbide tile face for longer wear-rates.

The Undercut Disc

Penetrate the soil effortlessly with minimal downforce and excellent closing in a variety of soils.



Vertical Disc

Struggles to consistently penetrate and close hard no-till conditions.

Double Disc

Requires a lot of downforce, has high running costs **(double)** and can stall in soft or high residue situations.

Undercut Disc*

With low running costs, this solution is best for consistently penetrating the soil and closing the slot.

*Illustration only shows an angle in one direction, the undercut disc is angled on 2 axes.

Why Choose the Undercut Disc?

The undercut disc is angled 10° on the Y-axis and 7° on the X-axis, ensuring excellent penetration and easy slot closure, even in tough conditions. This design helps pull the row unit into the soil, reducing downforce while maintaining an easily closable slot profile in both wet and dry soils. Paired with a bespoke gauge wheel that optimizes seeding depth and minimizes compaction, the Gen 3 DSX row unit delivers planter-level performance with minimal impact on soil health.

Row Cleaner

Consistent residue management.

Clear and manage residue.

- Pneumatically controlled in the tractor cabin for quick and accurate adjustments.
- Optimal disc angles to move residue away without throwing it into the neighbouring row unit.
- The row cleaner disc lifts out of the way when working in cover crops to avoid blockages.
- The parallelogram ensures perfect contour following to allow maximum residue movement without disturbing the soil.
- The row cleaner disc is positioned close to the seeding disc to eliminate residue falling back into the seeding zone.
- Mounting the row cleaner separately to the row unit eliminates unnecessary vibrations in the row unit which can affect seed placement.
- Depth limiter available to limit soil movement in light soils.

Row Unit Options

Optional seed firmers with options for gauge and closing wheels.

Seed Firmer.

Ensures optimum soil to seed contact and consolidates the soil around the seeding zone to help conserve moisture.

Closing Wheels.

Notched cast-steel tooth closing wheel or a wider rubber wheel for lighter soils are available. The closing angle can be adjusted to change closing aggressiveness, with pneumatically controlled downforce adjusted from the cab.

Gauge Wheel Options.

Our new tapered gauge wheel design has been specifically designed to operate on the 10-degree angle of the DSX row unit, ensuring perfect ground engagement and minimises compaction in the seeding zone. The 3 spoked wheel design allows soil and residue to flow through the wheel to eliminate potential blockages. 2 options are available:

- 76mm (3 inch) wheel - *Ideal for the majority of soils and stoney conditions.*
- 114mm (4.5 inch) wheel - *For wet, light or cultivated soils.*

76mm / 3 Inch GAUGE WHEEL

114mm / 4.5 Inch GAUGE WHEEL

Seed Boot

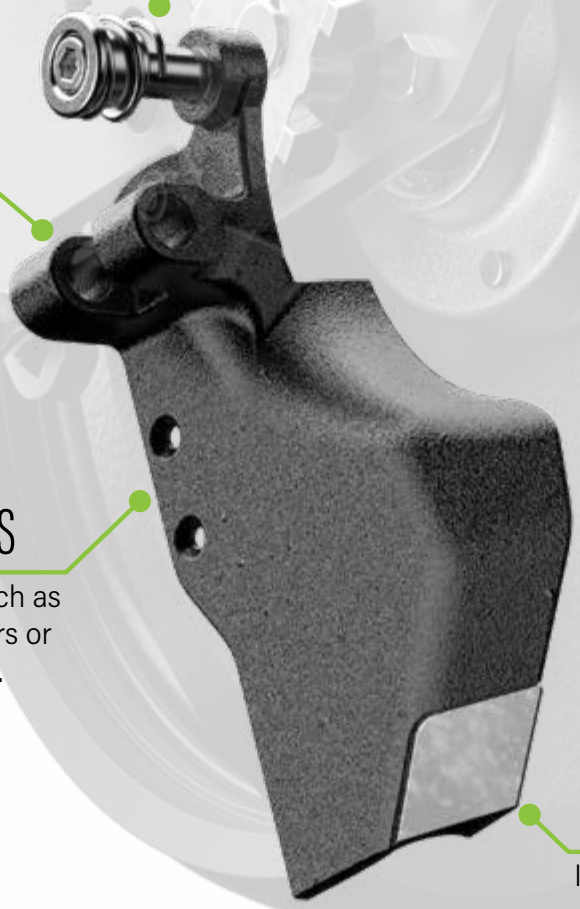
Cast and adjustable for maximum durability.

SPRUNG LOADED

Spring loaded seed boot ensures a consistent relationship between the boot and the disc.

ADJUSTABLE

The seed boot can be lifted or lowered, allowing adjustments depending on opener disc wear.



MOUNTING HOLES

Holes for components such as liquid nutrition applicators or seed firming devices.

CARBIDE TILE

Increases the lifetime of the seed boot.

Seed boot.

The DSX row unit features a cast seed boot with a carbide tile for maximum durability. The seed boot is positioned in the shadow of the opener disc, ensuring clear and precise seed placement.

The seed boot is spring loaded to maintain contact against the opener disc whilst accounting for wear. The height of the seed boot can also be adjusted to account for wear of the opener disc.

The seed boot features mounting holes, providing the opportunity for a seed firming device or liquid nutrition applicator.

Air Diffuser and Flexible Row Spacings

Ensuring perfect seed placement.

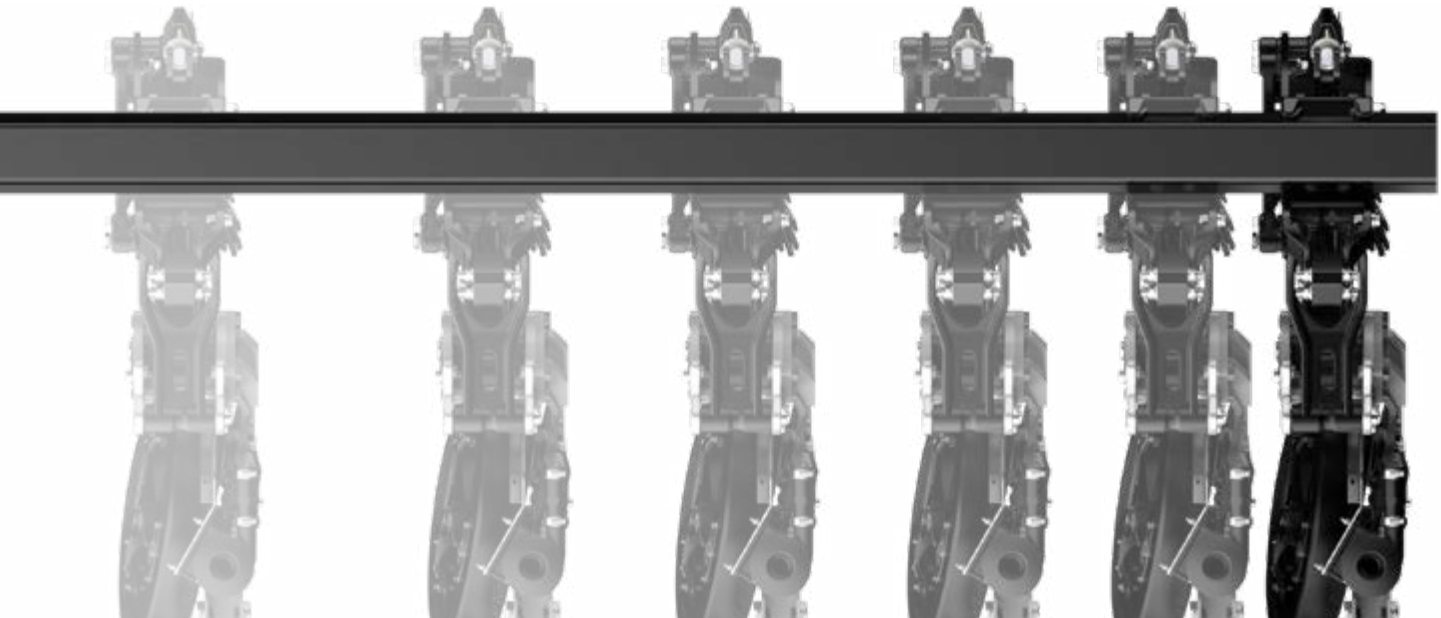
Eliminating Seed Bounce.

When seed is distributed by air through seed hoses it travels at a high velocity which can potentially cause seed to bounce out of the seeding zone. Our D-Cup Diffusers are designed to overcome this challenge by separating the airflow from the seed, with the airflow released upwards and the seed continuing its journey to the seeding zone, delivered simply by gravity.

In short, the D-Cup Diffuser eliminates 100% of the air from the seed hose and mitigates seed bounce.

Flexible Row Spacings.

The DSX Row unit features a clamping system that allows virtually any row spacing to be configured by the farmer, as long as it is wider than our minimum spacing. This clamping system also offers strength, durability and stiffness, meaning the row units will always track straight even in the hardest conditions. The row unit is held onto the toolbar with two M16 bolts, which can be loosed to either allow the row unit to slide, or to be removed completely.



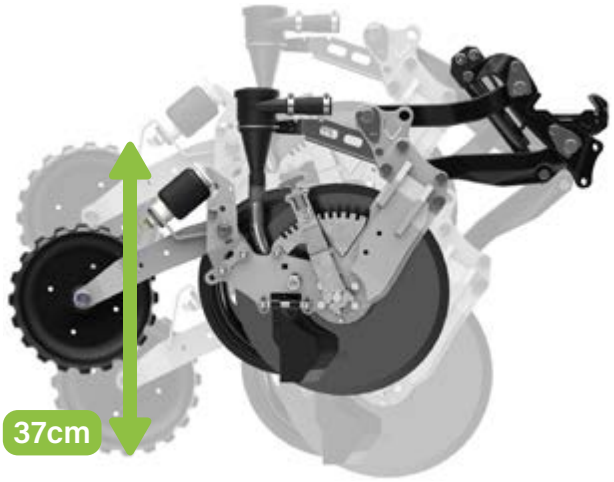
Parallelogram

Individual parallelograms on each row unit.

Perfect Contour Following.

The DSX row unit parallelogram allows travel of 37cm up and down individually when following the contours of the soil, whilst also keeping the entire row unit level.

The parallelograms are also incredibly stiff and narrow, offering both narrow spacings (15cm on the trailed DSX and 22cm on the mounted MDSX) and rigidity in difficult conditions.



Engineered for Extreme Longevity.

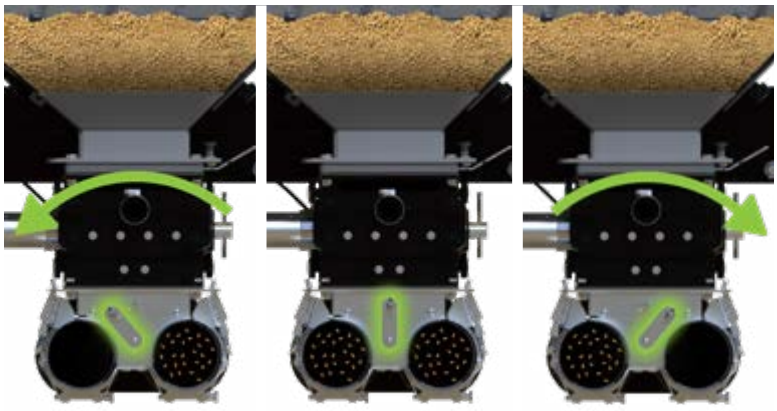
The parallelogram also features ultra long-life durability, with sealed bushes made from a high strength alloy steel with a PTFE coating. This means that the parallelogram requires minimal maintenance, and there are no grease nipples on the whole row unit.

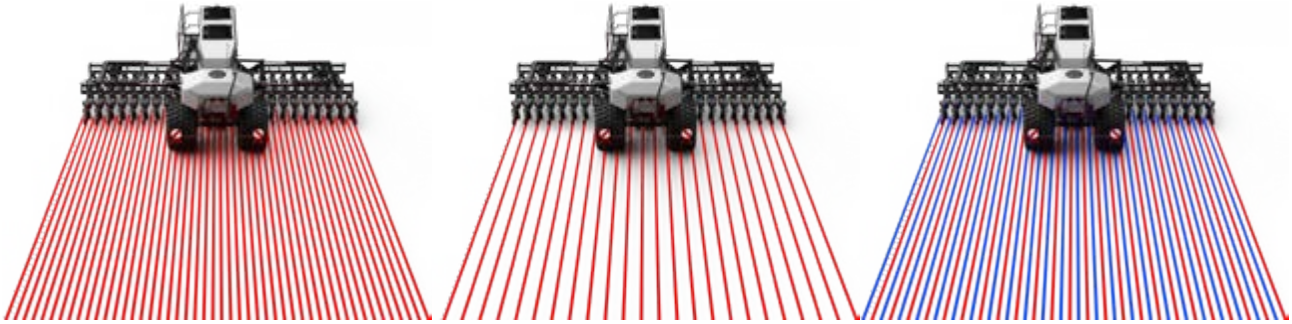
Selective Seeding

Options for seeding control and monitoring.

Multiple seeding configurations.

Our trailed DSX machines feature dual toolbar designs, meaning that there are a variety of seeding configurations possible thanks to the metering unit injection box and distribution head plumbing. As shown in the adjacent images, the injection box allows each individual hopper to be directed to a specific air-stream, which combined with the dual toolbar layout allows for the configurations shown below.





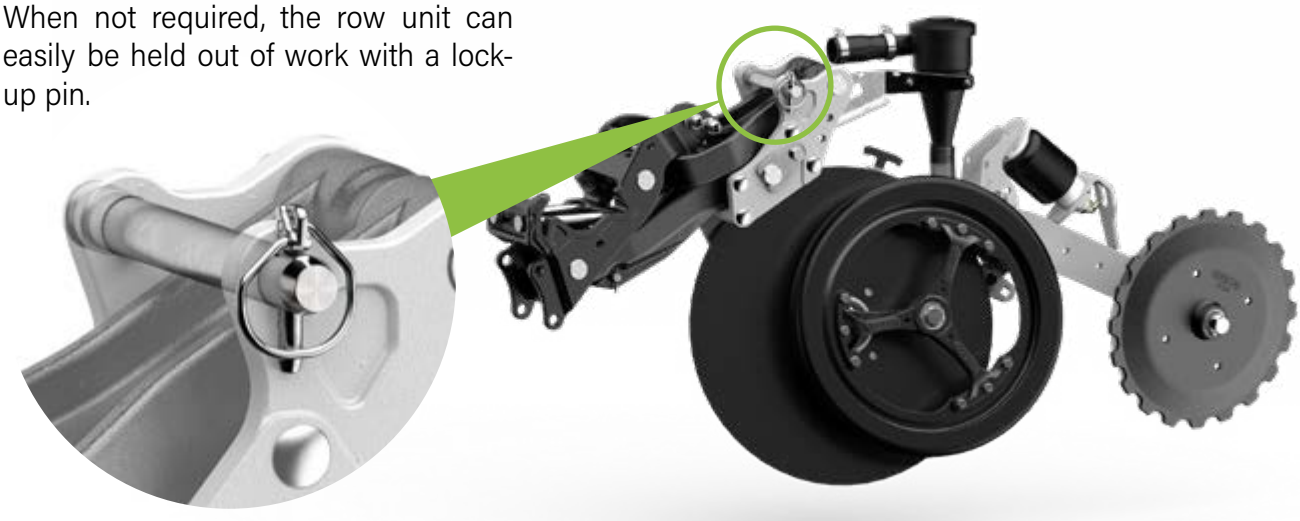
Sowing All Rows

Sowing With Double Row Spacings

Sowing Two Different Products

Row unit lock-up.

When not required, the row unit can easily be held out of work with a lock-up pin.



Blockage Sensors and Tramline Valves

Options for seeding control and monitoring.

Blockage Sensors.

Optional blockage sensors provide the operator with immediate feedback if there are any seed delivery anomalies. When detected, the blockage sensor provides feedback on the operators in-cab control screen indicating the affected seed hose or row unit, along with an audible warning. This mitigates the risk of operating the drill with uneven seed distribution.

Tramline Valves.

Optional tramline valves can be fitted to the DSX distribution heads, allowing operators to selectively shut off the relevant rows to create tramlines when seeding. The operator can specify how many tramline valves are needed for each tramline track along with the spacings.

On Board Agronomy

Placing nutrition and biology into the seeding zone.

Benefits of On-Board Nutrition.

- Ensure rapid uptake and vigorous growth which is important in no-till scenarios. This is especially important in high residue scenarios which can create increased predator threats from slugs and mice. The decaying residue can also steal nitrogen during the decay process.
- Placing phosphate right next to the seed will help early root development.
- Reduce tractor passes in the field.
- Placing fertiliser directly into moist soil will reduce the dependence on rain to help with uptake and will also reduce any potential leaching.
- Reduce application rates by applying the product directly where the plant can access it.
- Reduce weed competition by not broadcasting nutrition onto the soil surface in between the seeding zones - feed your crops, not your weeds!

Fertiliser Placement.

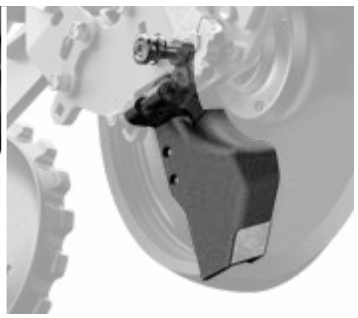
The Horizon DSX and MDSX are available with liquid, granular and micro-granular fertilizer placement options. Both machines have multiple fertiliser configuration options to allow our customers the ability to place different products in different places, in a variety of configurations.

Liquid Delivery - Steel Liquid Tubes.

A Liquid Nutrition delivery tube can be mounted onto the DSX seed boot, allowing liquid nutrition to be applied directly into the slot. Our Liquid Nutrition tube is ideal for applying starter fertiliser to accompany the seed.

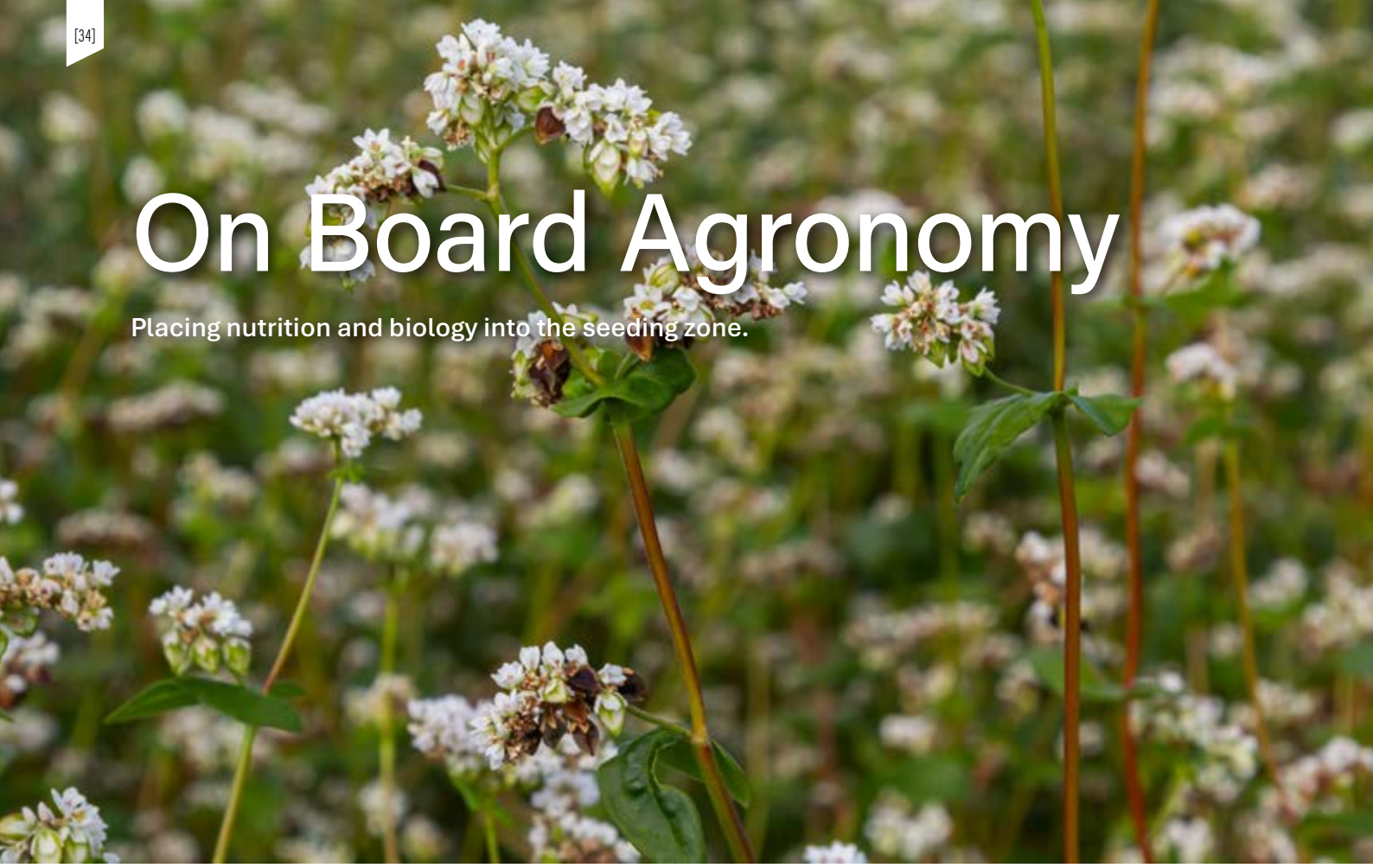
These tubes feature a stainless steel construction with a polymer inner, and is easy to clean and replace.

Granular Delivery - Surface & Seeding Zone.



For surface applied granular products we offer a rear applicator bar. This is ideal for slug pellets, Avadex, grass and other surface applied products.

Granular products can also be applied directly into the seeding zone.



On Board Agronomy

Placing nutrition and biology into the seeding zone.

Biology.

Rather than applying chemical nutrition to feed their crops, a lot of regenerative farmers are now looking at soil biology to help them reduce fertilizer, insecticide, fungicide and herbicide applications. Due to the intensive agricultural practices that have been adopted by farmers over the past 100 years, a lot of our agricultural soils have lost their natural biome and therefore become unable to provide plants with the correct nutrients to overcome disease and pests.

Fully restoring soil biology levels across the whole soil profile takes time, so whilst pursuing this long term project, regenerative farmers are also looking to immediately correct the biology levels in the seeding zone to help the soil provide the right nutrients to the plant without the need for excessive levels of synthetic applications.

- **Composting -** Making compost from organic material found in the local area as this will contain the correct biology for that specific farm and soil type. There are many ways to make compost but the most popular methods used by regenerative farmers are simple piles, windrows which are better for mixing and introducing air or Johnson-Su bioreactors which eliminate the need for mixing and create the perfect breeding environment for fungi-rich composts. Applying compost to soil is bulky and expensive. Therefore regenerative farmers look to extract the nutrients and biology from the compost into water and then apply it in a liquid form.
- **Compost Extract -** A simple form of extracting nutrients from compost by submerging the compost in water and allowing nutrients to leach out. It is primarily considered as an organic fertilizer and won't contain high levels of biology.
- **Compost Teas -** The next stage from Compost Extracts with the aim of creating a higher microbial population by applying aeration and food such as molasses, humic acid and seaweed.
- **Inoculating Seeds -** Coating seed with compost or compost extras / teas is also another fantastic way of getting beneficial microbes onto the seed to improve early plant health.

On Board Agronomy

Placing nutrition and biology into the seeding zone.

Granular Products.

The DSX can accommodate up to four granular hoppers and the MDSX up to 3 granular hoppers. Both machines can deliver product to either the seeding zone or the soil surface. The graphics below illustrate the different combinations possible with a GH400 on a trailed DSX and mounted MDSX, where the two main hoppers/front tank hoppers are distributing seed into the seeding zone.

Front GH400

Seeding zone.

Front GH400

Rear dribble-bar.

Rear GH400

Rear dribble-bar.

Front & Rear GH400

Seeding zone and rear dribble-bar.

MDSX Frame GH400

Seeding zone.

MDSX Frame GH400

Rear dribble-bar.

Granular Hoppers

Hoppers and delivery methods to suit your needs.

FT2200

Seamlessly deliver granular products.

2200 litre granular front hopper.

The FT2200 utilizes a pressurized hopper, powerful fan, 2 metering systems and high capacity piping which enables it to handle large volumes of product. The metering system utilizes the same technology as the Horizon DSX which provides the operator with very accurate seeding, market leading functionality and the ability to quickly change from metering one product to two different products.

PRESSURIZED SPLIT HOPPER

60/40 split with 2 metering systems

PRODUCT LEVEL SENSORS

Two in each side of the hopper

LARGE TOOLBOX

FOLDING STEP

METERING SYSTEM

All seed types, multi-rate, easy calibration

OPTIONAL WEIGHTS PACKAGE

Adaptable with removable 55kg weight plates, up to 350kg.

ROAD AND WORKING LIGHTS

HIGH CAPACITY PIPING

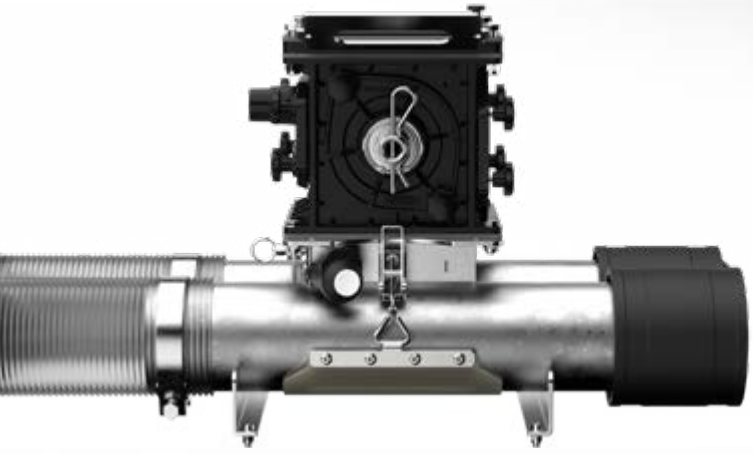
⌀102mm piping capable of carrying a large volume of product

FT2200

Seamlessly deliver granular products.

60/40 pressurized hopper.

The FT2200 front hopper features a dual hopper design, split 60/40. This allows storage of two different products, which can in turn be distributed separately thanks to the DSX metering system.



Metering system.

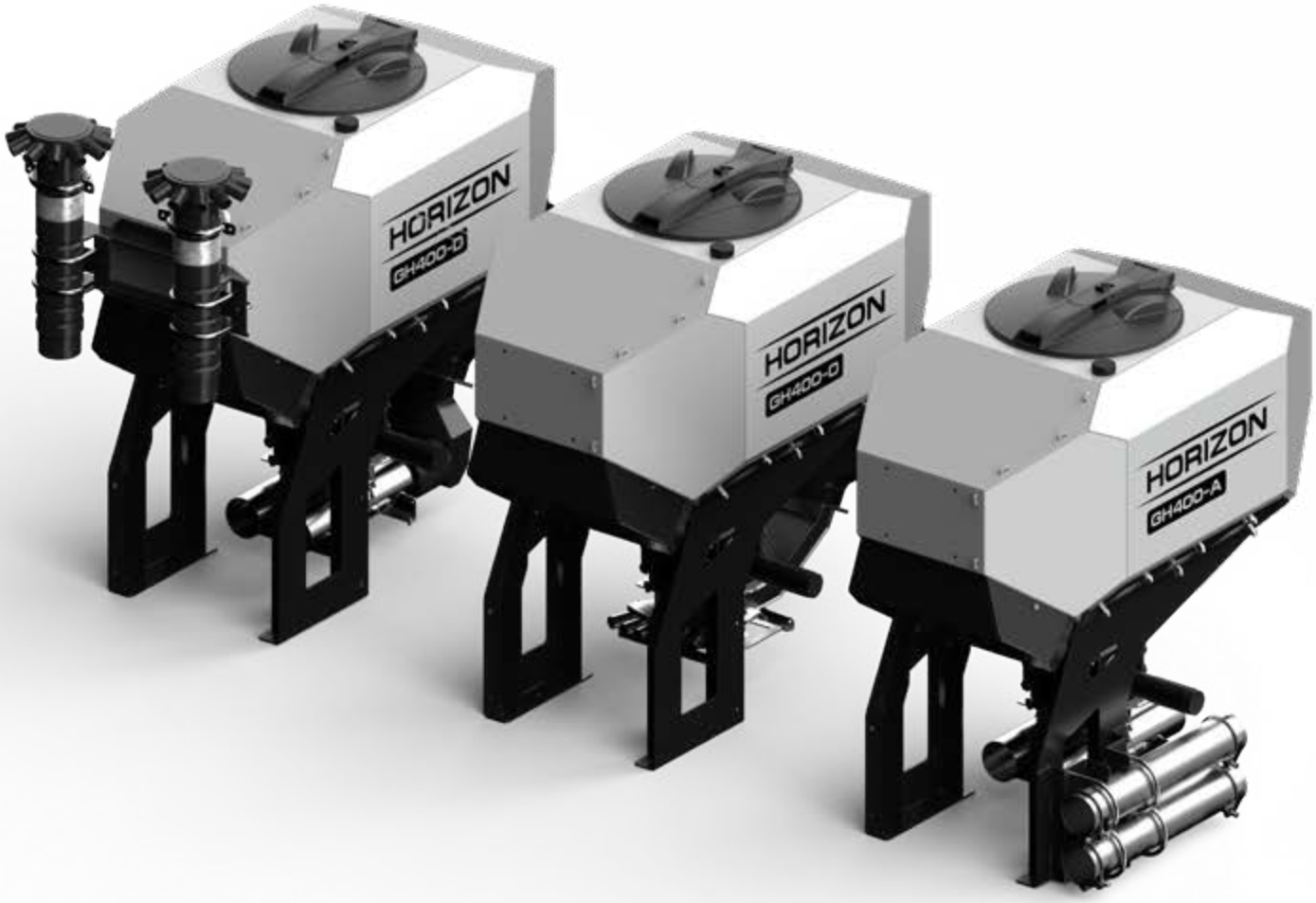
The FT2200 features two metering systems with interchangeable rollers, one for each tank. The metering systems are capable of an extremely wide range of application rates and types of products, as the rollers can be quickly changed in the field without any need for tools.

Distribution heads.

The products in each hopper can be directed into different air-streams, which can then be directed to one or two distribution heads. This is ideal for companion crops or selective seeding, and can easily be configured to match the operators needs.

GH400

Ideal for micrograniular fertilizer, slug pellets, Avadex or small seeds.



400 litre granular hopper.

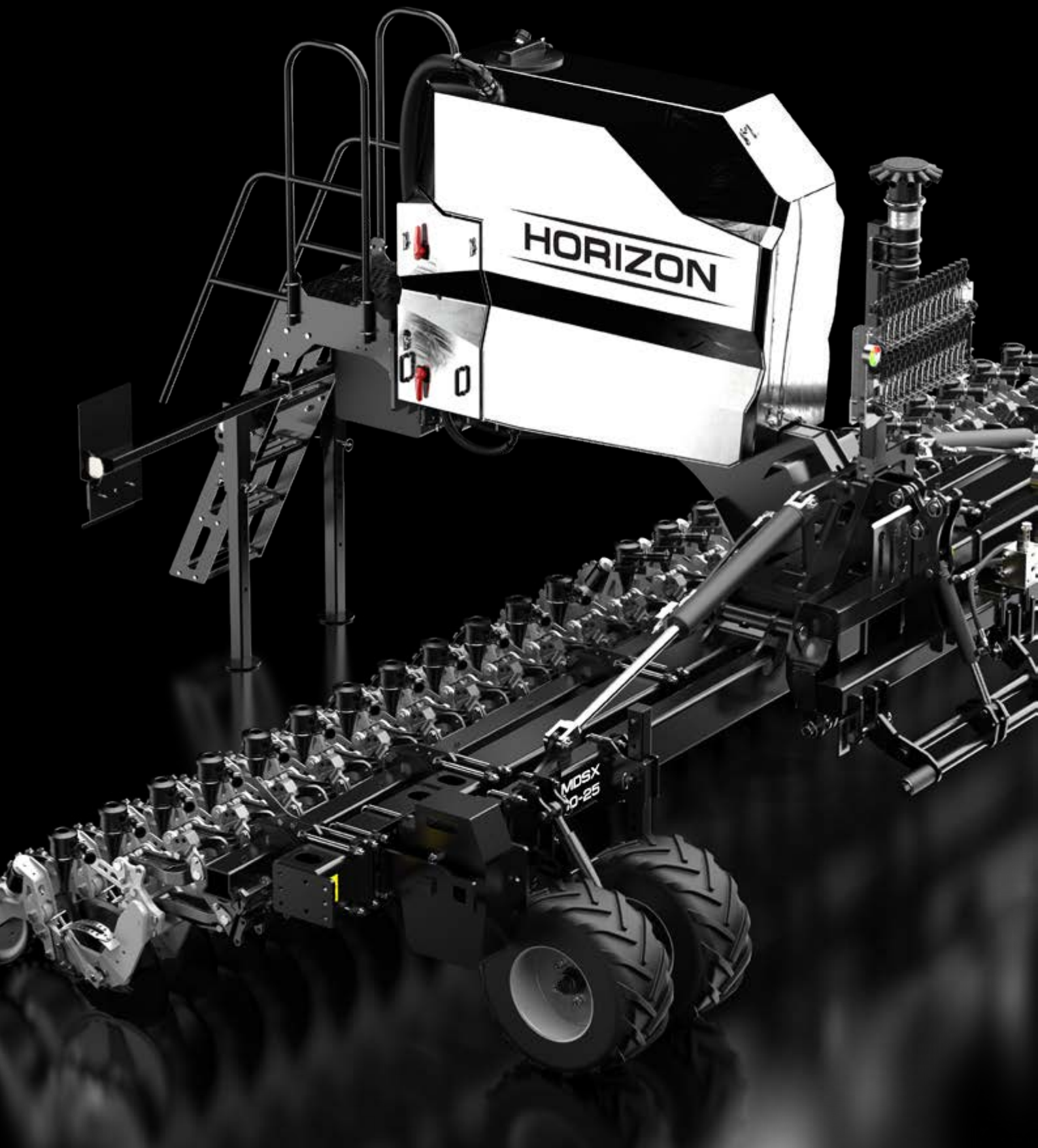
The GH400 is a compact, modular and highly configurable small hopper designed for a variety of applications and machines. Featuring the DSX metering system, the GH400 is pressurised and capable of distributing a variety of products.

The metering system is controlled by FarmScan or ISOBUS and features Touch Button Calibration. Designed for use with the DSX, the GH400-A can be combined with the turbine on any trailed DSX. For our MDSX platforms we also offer the GH400-D, a standalone seeding hopper that features a turbine and integrated distribution box.

- Highly modular design.
- 400l pressurized hopper.
- Configurable with a turbine, distribution heads or integrated 6 outlet distribution.
- Features the DSX metering system.
- 0.5kg per/ha achievable.
- Ideal for micro-granular fertilizer, slug pellets, Avadex or small seeds.
- Controlled through FarmScan or ISOBUS.
- Touch Button Calibration.

Liquid Nutrition Tanks

Bespoke systems for your machine



Liquid Nutrition Tanks

Bespoke systems for your machine

Complete Liquid Nutrition Solutions.

We offer a range of liquid nutrition options for the DSX and MDSX, depending on the farmers nutrition requirements. Our tanks come complete with electric or hydraulic pumps, pipework, flow indicators and are integrated into the drill's control system.

Front Mounted Tanks.

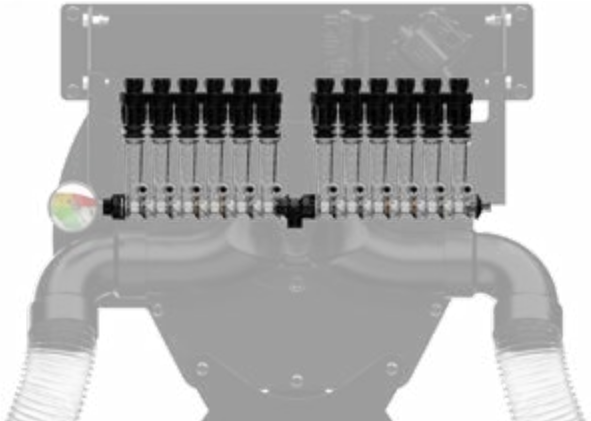
Our tractor mounted tanks are three point hitch mounted. Capacities available are from 750L to 2200L. All tanks are supplied with a full lighting pack including headlights, indicators and sidelights. All wiring and a tractor harness is also included in the kit. A GPS speed sensor is used to eliminate complicating wiring when installing the tanks.

Rear Mounted Tanks.

Horizon Agricultural Machinery also offer a liquid nutrition tank designed to be mounted onto our MDSX frame. This stainless steel tank has a capacity of 750L for liquid nutrition, with an additional 40L capacity for water. The tank features complete pipework and can be configured with either an electric or hydraulic pump as well as flow indicators.

Flow Indicators.

Our flow indicators let you identify any plugs or leaks so you can resolve them immediately, without any need for electronics or costly maintenance. These individual flow indicators are configured in a manifold, and therefore can be built to accommodate any amount of row units.



FarmScan Control

Software solutions that support precision farming and crop management.

FarmScan Control

Software solutions that support precision farming and crop management.

FarmScan Features

- 4 Granular or Liquid Channels - The FarmScan control system can accommodate up to 4 different products, which can be any combination of granular or liquid.
- Working Light Kit - Lights are controlled individually to allow different configurations for different tasks.
- Seed Tank Differential Pressure Alarm - Any difference in pressure triggers an alarm to prevent seed rate errors.
- Pneumatic Closing Wheel Controls - The closing wheel pneumatic pressure is controlled through the FarmScan control system.
- Integrated Hydraulic Downforce Control for Row Units.
- Variable Rate Control – For all channels (granular or liquid) variable rate control is available on the FarmScan control system.
- Features All Standard Functions – All the standard functions are available, including tramlining, blockage sensors, fan speed alarms, area coverage, tank level sensors, USB software updates and more.

FarmScan Configuration Options

- Isobus only
- Isobus and Universal Terminal
- External Tecu with Universal Terminal (for non-Isobus tractors)

Options

Tyres.

3m - 560mm, 710mm

4-7.2m - 710mm, 750mm, 850mm

7.5-9m - 750mm, 850mm

Work Lights.

See Page 18

Brakes.

Hydraulic & pneumatic brake options.

Cameras.

See Page 18

MDSX Weight Kit.

2 x 200kg (400kg total)

See Page 19

Stabiliser Wheels.

See Page 19

Weight Transfer Kit.

See Page 19

12v Compressor.

Hydraulic Oil Cooler.

Blockage Sensors, Tramline Valves.

See Page 31

Row Unit Lockup Kit.

See Page 30

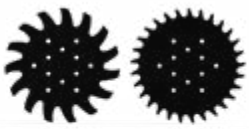
Gauge Wheel Stone Protector.

Row Cleaners.

See Page 25

Row Cleaner Depth Limiter.

See Page 25



Row Cleaner Wheel Options.

See Page 25

Gauge Wheels.

76mm is standard, 114mm for light/cultivated soils.

See Page 26

Closing Wheels.

Cast is standard, rubber for light cultivated soils.

See Page 26

Seed Firming Wheel.

See Page 26

GH400.

See Page 39

FT2200.

See Page 37

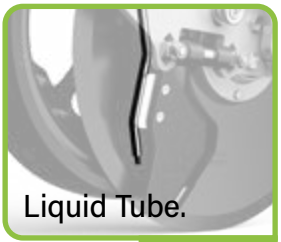
FT2200 Weight Kit.

2 x 175kg (350kg total)

See Page 37

Liquid Tanks.

See Page 41



Liquid Tube.

See Page 33

Granular Rear Application.

See Page 33

Technical Data

DSX Trailed No-Till Drill

DSX - Trailed	DSX 3-4m		DSX 4-7.2m				DSX 7.5-9m		
	30-XX	40-XX	40-XX	48-XX	60-XX	72-XX	75-XX	80-XX	90-XX
Working Width (m)	3	4	4	4.8	6	7.2	7.5	8	9
Wing Type	Fixed		Folding				Folding - Three Sections		
Transport Width (m)	2.99	4	2.99				2.99		
Transport Height (m)	2.63		3.55	3.55	3.55	3.99	3.54	3.54	3.99
Length (m)	6.35		7.61				7.80		
Permissible Axle Load	See Serial Plate								
Unladen Weight (kg)	4500	5200	6500	7050	7660	8200	8900	9240	10000
Hopper Capacity (L)	4000		4750				5700		
Additional Hopper (L)	250		400				400		
Hopper Opening Size (mm)	900 x 748 (x2)								
Hopper Fill Height (m)	2.5		2.95				2.95		
Hopper Ratio (kg)	2300:1700		2820:1880				3420:2280		
Row Spacings (cm)	16.7, 18.75, 20 and 25		15, 16.7, 18.75, 20 and 25				16.7, 18.75, 20 and 25		
Working Speed (kph)	8-12								
Transport Speed Max (kph)	25								
Expected Output* (ha)	2ha / hour	2.5ha / hour	2.7ha / hour	3.2ha / hour	4ha / hour	4.8ha / hour	5ha / hour	5.3ha / hour	6ha / hour
Minimum Horsepower Required (hp)	105	140	140	168	210	252	262	280	315

MDSX Mounted No-Till Drill

MDSX - Mounted	30-XX	40-XX	60-XX
Working Width (m)	3	4	6
Wing Type	Rigid	Folding	Folding
Transport Width (m)	2.95	2.71	2.71
Transport Height (m)	2.27	2.49	3.24
Unladen Weight (kg)	1550	2500	3500
Frame Mounted Additional Hopper (L)	400		
Frame Mounted Additional Liquid Tank (L)	750		
Row Spacings (cm)	25	22 and 25	23 and 25
Working Speed (kph)	8-12		
Expected Output* (ha)	1.7ha / hour	2.3ha / hour	3.4ha / hour
Minimum Horsepower Required (hp)	75	100	150

*With forward speed of 10kph.

Weights and dimensions are based on a base-spec machine with 18.75cm row spacings on the trailed DSX, and 25cm row spacings on the mounted MDSX.

HORIZON

regeneration through innovation

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