



AS3000 SERIES



WIDE WIDTH CONVEYOR SPREADERS



SPREAD ACCURACY ACROSS WIDER WORKING WIDTHS

Performance, capacity and accuracy are all combined in the AS3000 Series twin hydraulic folding conveyor feed spreader that can achieve increased spread widths of up to 48 meters for urea, over 52 meters for mineral granular fertilisers and up to 30 meters for dry flowable lime/gypsum, organic, other soil conditioners and bulk products.

The 3000 series spreader offers precision infield spreading to the larger farming and contracting enterprises while especially suitable for Controlled Traffic Farming (CTF), multi products and meet the demand of increasing tramline working widths across the industry worldwide.

The outer disc & conveyor designs each 3 mtrs from centre is engineered for high ground clearance; the disc height at 850mm is kept high for crop clearance, rough terrain/conditions and achieving maximum spread width for a given product type. With an upper mounted spinner disc hydraulic motor system, the design allows for ample ground clearance avoiding unnecessary crop damage.

AgriSpread

**WIDER SPREAD WIDTHS
HIGHER APPLICATION RATES
FASTER WORKING SPEEDS**



SPREAD WIDTHS UP TO



48 METERS
UREA

52 METERS
MINERAL & SYNTHETIC
FERTILISERS

30 METERS
LIME/ GYPSUM/BULK/ORGANIC
SOIL CONDITIONERS & DRY
FLOWABLE PRODUCTS

SPEED



2300 kg/min
LIME/BULK PRODUCTS - MAX

30kph
MAX WORKING SPEED

360 kg/min
FERTILISER - MAX



CAPACITY

9.7m³ to 16.8m³
HOPPER LEVEL CAPACITY

TRAILED X 3 MODELS RANGE - FULL STAINLESS STEEL HOPPER AS STANDARD

AgriSpread twin hydraulic folding conveyor spreading disc system is designed to spread granular fertilisers & dry flowable materials such as lime, gypsum, organic, soil conditioners and bulk products to wider spread working widths



HYDRAULIC FOLDING TWIN CONVEYOR DISC SYSTEM

The AS3000 series encompasses a rear hydraulic folding twin conveyor that carries the product to the outer large hydraulically driven spinner disks at a width of 6m from disk to disk left and right of the hopper via smooth belt feed conveyors.

This design allows for precision manual & electric drop-point control for both granular and bulk products to achieve even wider spread working widths regardless of material type, shape and bulk density.

The AS3000 Series features a sprung drawbar as standard across the range.



SCS SECTION CONTROL

As standard on the 3000 Series, AgriSpread offer the SCS feature (Section control - single belt). Both spinner motors have independently controlled left & right-hand spinner disks to reduce the working width on wedge shaped fields or narrow field sections or coming in and out of headlands/boundaries.

As the working width is reduced by auto-reduction in spinner speed via guidance mapping, the conveyor reduces in proportion so that the overall application rate across the width at any given point remains constant.

Headland border control is standard, available on both the right or left hand sides of the spreader.



SOFTWARE FEATURES

- + The ISOBUS compatible software controls both application rate and spinner & conveyor speeds.

- + Set a lower spinner speed left and right for headland border management.

- + Save multiple product settings including drop-point, vane position and spinner speed.

- + Prime the rear belt feed conveyors from the software on initial start-up.

- + Clear/clean out function, which clears the cross conveyors at the end of a run or while sitting stationary through the software. This is particularly important for keeping the rear cross conveyors clear of product when folding and unfolding. This process keeps the belt and side skirts clear and prevents premature wear.

- + On screen warning to operators once the max kg/min application rate has been reached.

- + Main screen display of all conveyor RPM's and spinner speed RPM's to make sure operator has constant visual of critical information.



ISOBUS SOFTWARE AND HARDWARE SYSTEM

The fully integrated ISOBUS compatible software and hardware control system which as standard, uses precision load cells to automatically adjust the application rate based on forward speed and field conditions, ensuring consistent output per hectare with all product types.



HYDRAULICS/ PTO

AgriSpread now offers as standard on the 3000 series, a high-powered PTO hydrostatic tandem hydraulic piston pump system to achieve the required oil flow per/min required to meet the application rates at these wider spread widths. The hydrostatic PTO driven system with oil cooler controls the disc spinners – left & right.

This system works in conjunction with the tractors' hydraulics (in load sense or fixed pump) to control the following functions:

- + Main floor belt & rear twin conveyor belts

- + Hydraulic folding of twin conveyors – transport and work

This combination of hydraulic controls achieves a reliable, highly efficient spreading applicator given the high demands for oil flow and pressure for the working widths, application rates and spinner RPM's.



SAFETY FEATURES

As with any large capacity machinery, safety is particularly important. AgriSpread has designed the following safety features:

- + Safely fold and unfold the rear cross conveyors from the Isobus software

- + During transport, a safety sensor provides a clear acknowledgement to the ISOBUS display that the folding conveyors are locked in position and safe for road transport.

- + The operator will not be able to turn on the spinner disks unless they are folded into the outright working position.

KEY PRODUCT DESIGN FEATURES



1 FOLDING SIDE SKIRT SEAL SYSTEM

AgriSpread's hinging side skirt seal is engineered to adapt seamlessly between transport and operation. During transport, the skirt folds neatly out of the way as the conveyor wings raise. Once lowered into the working position, it automatically re-engages to form a tight continuous seal along the belt edge - minimising material spillage and ensuring consistent containment of material.



3 PRECISION BELT TRACKING FOR RELIABLE PERFORMANCE

The conveyor system features specialised tracking rollers engineered to keep the belt running true and aligned during operation. This ensures smooth material flow, reduces wear, and minimises maintenance.

The conveyors open uncluttered design has been considered for ease of maintenance & access during service intervals, to maintain and replace parts, belts and side skirts.



FOLD OUT WIND DEFLECTOR ARMS

DISC GROUND CLEARANCE HEIGHT

ANGLED CONVEYOR DESIGN FOR ENHANCED CLEARANCE

4 OUTWARD-SPINNING DISCS FOR CONTROLLED SPREADING

The spreading discs rotate away from the centre of the machine, minimising material impact on the machine deflectors and reducing wear on critical components. This design also makes it easier to control the spread width, obtaining more width and achieving a more uniform spread pattern.

5 ELECTRONIC DOOR ACTUATION

ISOBUS control via an electric actuator on the main rear single door for controlling application rate. Automatically updates the ISOBUS rate control system on the move when required.

The double conveyor arms are intentionally angled back at 10 degrees to create additional clearance between the main hopper and the unfolded conveyors. This design reduces the risk of accidental contact from loading equipment, protecting the conveyors and spreading components from potential damage during loading. The result is easier loading with less risk of costly repairs. The swept back design angle also allows for improved disc and product spreading performance.

TECHNICAL SPECIFICATIONS



AS3000 SERIES

MODELS	AS3120 SCS No Extension	AS3120 Straight Ext	AS3120 Flared Ext	AS3150T SCS Straight Ext	AS3150T SCS Flared Ext	AS3220T SCS Straight Ext	AS3220T SCS Flared Ext
Hopper Length (mm)	4,228			4,640		5,640	
Hopper Width (mm)	2,245		2,628	2,245	2,628	2,245	2,616
Loading Height (mm)	2,800	2,970	3,065	3,050	3,147	3,083	3,178
Extension Height (mm)	N/A	170	265	170	265	170	265
Capacity Hopper Level (m³) +/-	9.7	11.1	12.5	12.5	13.7	15.1	16.8
Capacity Heaped @30 Degrees (m³) not fertiliser	11.9	13.7	15.6	15.3	17.4	18.6	21.0
Lime Capacity¹ Heaped @30 (mT) +/- subject to product	14.5	14.5	14.5	18.8	18.8	25.0	25.0
Unladen Weight (kg) 2m Track Width	6,700	7,000	6,925	8,610	8,510	9,930	N/A
Unladen Weight (kg) 3m Track Width	7,010	7,315	7,240	8,928	8,825	N/A	10,350
Vertical Hitch Load - Unladen (kg)	608	635	663	304	301	545	545
Vertical Hitch Load - Laden (kg)	3,960	4,000	4,000	3,460	3,447	5,507	5,507
Carrying Capacity (kg)	14,500			18,750		25,000	
Tyres (Standard)	VF750/60R30.5 BKT VFLEXA 187D			710/50R26.5 BKT FL630 Ultra 181A8		VF750/60R30.5 BKT VFLEXA 187D	
Axle Qty & Section (mm). 10 Stud Axle/Rims	1 x 150 Sq			2 x 127 Rd		2 x 150 Sqv	
Axle Track Width Centres (meters)	2 or 3		3	2 or 3	3	2 or 3	3
Sprung Drawbar	Standard						
ISOBUS Electric Single Rear Door Control	Standard						
Hopper Grid Profiles Stainless Steel	Optional						
Rate Controller Type	ISOBUS						
Variable Rate Ready	Standard						
Hydraulic Brakes	Standard						
Air/Hyd or Air Only Brakes	Optional						
Transport Lights	Standard						
Hold Back Roll Over, Electric or Hydraulic Covers	Optional						
Bulk Product Feed Chains	Optional						
Headland Border Control - Left or Right	Standard						
Full Stainless Steel Hopper & Extensions	Standard						
Steering Axle Options	N/A			Rear Steering Axle			
SCS Section Control. Sections x 14 Single Belt				Standard			
SC Section Control. Sections x 16 Twin Belt - (Flowable Dry Granular Products)				Optional			
ISOBUS Load Cells				Optional			
Bulk Product Discs - Diameter (mm)				910			
Bulk Product Adjustable Vanes Flights				4			
Fertiliser Discs - Diameter				1175			
Rear Side Conveyor belts width (mm)				400			
Conveyor Weight (kg)				1300			

Note 1: Capacity varies according to the density of material filling completely full & heaping. Densities of 1400 kg/m³ and 1000kg/m³ have been assumed for lime and fertiliser respectively.

Note 2: Loading heights vary depending on the wheel specification and optional load cells.

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*** All designs, features, functionality, tyres, options, brochures & other product specifications & documentation are subject to change without notice or obligation & including errors or mistakes. (Different markets may also have different specifications and options).

*** AgriSpread makes no warranty, representation or guarantee regarding the suitability of its machine products to discharge and spread all possible fertilisers, manures, lime types, gypsum types, bio-sul types and other bulk product materials especially due to complex factors such as storage, moisture, temperature, humidity, bulk density, particle size, particle shape, friction, cumulative strength, interlocking, cohesion, binding, ratholing and bridging etc. Discuss with distributor, dealer or AgriSpread limitations of design, specifications and spread applications.

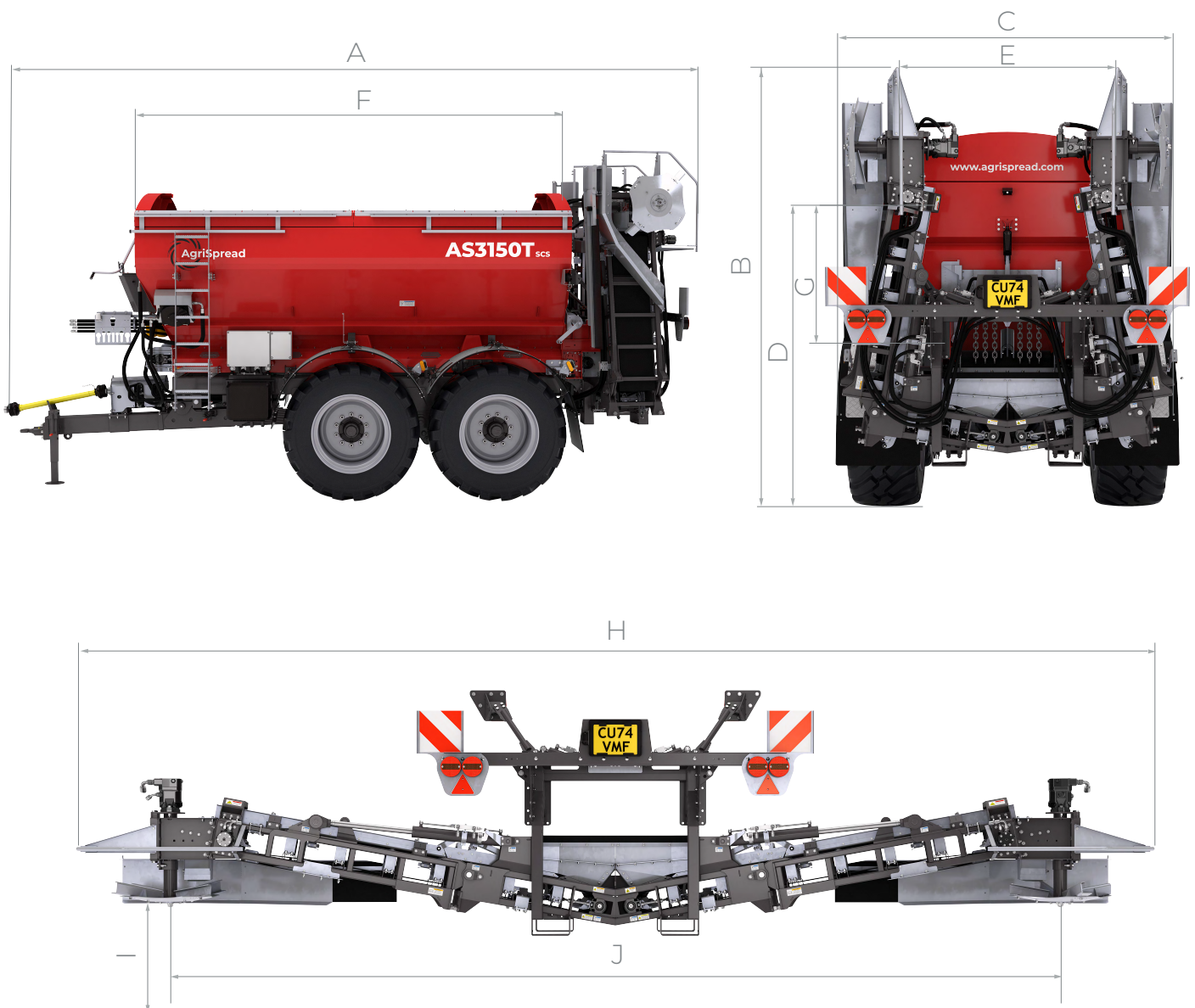
*** Spread testing and adjusting to get acceptable pattern CV's for infield conditions & product type/quality is required by customer/dealer.

TECHNICAL DIMENSIONS



DIMENSIONS

MODELS	AS3120 No Extensions	AS3120 Straight Ext	AS3120 Flared Ext	AS3150T Straight Ext	AS3150T Flared Ext	AS3220T Straight Ext	AS3220T Flared Ext
(A) Overall Length (mm)	7,235	7,235	7,235	7,640	7,640	8,648	8,648
(B) Overall Height (mm)	3,616	3,616	3,616	3,705	3,705	3,734	3,734
(C) Overall Width (mm) 2mtr Track	2,864	2,864	2,864	2,880	2,880	2,880	N/A
(C) Overall Width (mm) 3mtr Track CTF	3,864	3,864	3,864	3,880	3,880	N/A	3,747
(D) Loading Height with load cells (mm)	2,800	2,970	3,065	3,052	3,147	3,083	3,178
(E) Hopper Width (mm)	2,245	2,245	2,628	2,245	2,628	2,245	2,615
(F) Hopper Length (mm)	4,228	4,228	4,228	4,640	4,640	5,640	5,640
(G) Hopper Height (mm)	1,380	1,550	1,645	1,550	1,645	1,550	1,630



TWIN HYDRAULIC FOLDING CONVEYOR

(H) Working position (mm)	7,300
(I) Disc ground clearance height (mm)	850
(J) Disc centre to centre (mm)	6,000



- + Steering Axles
 - + AS3150T & AS3220T Tandem - Rear self-steering axle
- + Range of wheel sizes/specs available
 - + Wheel options available (subject to limitations)
- + Hold back roll over cover
- + Hydraulic cover
- + Electric cover
- + Air brakes
- + Rear Work lights x 2
- + Rear Flashing Beacons x 2
- + Mudguards
- + Access platform
- + Toolbox
- + Fertiliser Discs & Hoppers Kits:
 - + 24 - 52 meters
- + Lime & Bulk product discs
- + Stainless Steel profile hopper grids
- + Bulk product feed chains
- + Spoon hitch
- + Hydraulic drawbar jack
- + Chassis mounted units

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