



HORIZON MODEL RANGE





1973 - 2023

FOUNDED IN
THE FIELD.

One of the reasons we know your business so well is that it's our business too.

The Sands family has been involved in farming for over 125 years, and still farms today. Sands Agricultural Machinery was founded in 1973 when Neal Sands decided to build exactly the machine he wanted for the contracting business that had developed from his family's farming operation. When neighbouring farmers recognised the qualities of a machine built to precisely meet requirements, they asked if he would build sprayers for them too. With farm sizes growing larger and crops requiring high clearance becoming more popular, Neal launched his manufacturing operation to the farming public at the Royal Norfolk Show in 1975, as demand began to grow for sprayers that could do more than the typical mounted and trailed machines of the time. Orders increased to the point where it was decided to establish a full-scale manufacturing operation, and the principle of building exactly what the customer requires still holds true at Sands today.



**MAKING AS
MUCH AS
POSSIBLE
IN-HOUSE**

Horizon Model Range | SAM Sprayers

SAM sprayers are all made at our Norfolk factory, where we manufacture the vast majority of our machine components from scratch. Key elements such as engines, electrical equipment and tyres are sourced from trusted external suppliers, but almost everything else is made in-house. Here, we design the entire machine, from chassis to cab and tank to boom. Using the very latest technology we cut and fold steel, with a team of dedicated welders completing key components, and a high quality finish applied to them by our expert paint sprayers. Our talented assembly engineers, who know every model of our range inside-out, then carefully create each customer's machine. With Sands you can rest assured that your sprayer has been built by people who care about their work, taking the highest possible pride in it – and what the result means for your business as well as ours.

samsprayers.co.uk

OUR QUALITY STANDARDS

Whether you order our smallest and simplest machine or the largest model with full specification, **we treat every customer order identically** – with the utmost care and attention. Each is subject to the same high standards that have kept customers coming back to Sands for the past 50 years.

ONLY ONE LEVEL



HORIZON 3000/3500

Need a light, compact self-propelled sprayer? The Sands Horizon 3000 and 3500 have been designed just for you. They provide an entry into the Sands sprayer range, providing self-propelled capacity and output with the lightest possible footprint for machines of this size. Yet they are equipped with a specification that means they are well capable of high spraying outputs. The same manufacturing and design standards to which bigger Sands sprayers are built ensures that exceptional build quality and reliability help these machines handle high workloads. Both models benefit from the luxury and ergonomics of the Sands Panoramic cab. Designed in-house and built in Germany, its high-quality interior is unique to Sands sprayers, and features the latest Category 4 filtration, plus the highest standards of comfort, visibility, build quality and ergonomics. Add in exceptionally low noise levels, and you have a package that ensures every operator finishes long spraying days as refreshed as when they began.

3000 (3500) SPECIFICATIONS

Engine	Tier 5 Final 6-cylinder water-cooled engine with Add Blue 160kw/214hp
Transmission	Fully hydrostatic 4-wheel drive with 4-speed transmission for high field torque & high road speed Poclain wheel motors
Braking	Primary hydrostatic with dynamic braking & Boosted braking on the joystick
Hydraulic Oil Tank	200 litres (High Grade HV 46)
Steering	Selectable 4-wheel steer on foot pedal with auto alignment
Chassis	Welded hollow steel section
Axles	Telescopic axles. 68-80 Manual Adjusting Sliding Axles
Suspension	Self-levelling hydro-pneumatic suspension
Cab	High visibility, luxury cab with climate control, high back air seat, DAB Radio, electric & heated mirrors, Category 4 carbon filtration, 8 x LED Work Lights, LED Dip & High Beam
In-Cab Controls	Steering column adjustable for height & rake. Joystick control for forward/reverse, main on/off and control of boom sections and height, and selectable 4-wheel steer. In cab control of clean water rinse tank
Spray Tank Size	3000 litres (3500 litres)

Pump Standard 5-cylinder 280l/min

Wash Tank 300 litres (external) mounted over rear axle

Filtration 2" Main suction filter with flushing pressure filter and nozzle filters

Boom Size Standard 24m 2 stage gullwing.

Sprayline Standard stainless steel 0.75in with Prime and Purge boom re-circulation. Triplet nozzle bodies c/w 3 sets of spray tips.

Section Controls Standard 7 section cut offs in 24m.

Plumbing Twin rotary valves to control self-filling, spray, wash and pump out. Stainless steel 25 litre chemical induction hopper

Application Control Ag Leader, Trimble, TopCon, John Deere etc.

Min Spray Height 0.5m	Max Spray Height 2.4m
Wheelbase 2.8m (3.2m)	Turning Circle 6m (7m)
Ground Clearance 950mm	Tyres 380/85 R30
Fuel Tank 270 litres	Max Road Speed 40 km/h
Working Weight 7.2 (7.4) tonnes	Overall Width 2.9m
Overall Length 7.67m (7.95m)	Overall Height 3.6m



Horizon Model Range | SAM Sprayers

OPTIONS

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| - Dual Ride (Hard & Soft Suspension) | - High Level Strobe Lights | - 2"/3" Hydraulic Fast Fill Pump |
| - 400 l/min Twin Speed Pump | - Drawbar | - 2" Power Fill Point |
| - Variable Geometry Boom (Positive & Negative) | - Side Mounted Mixing Hopper | - Toolbox |
| - 5 Sensor Boom Levelling | - Auto-Greasing Unit | - High Level Indicator Lights |
| - Duo React Bodies (4+1) | - Foot Brake | - Arag Auto-Fill Shut Off |
| - All Nozzles Bodies Fit Within Our Boom | - Dribble Bar Guards | - Single/Duo Stocks Applicator |
| - All Makes Of GPS | - Blue LED Boom Lights | - Techneat Applicator |
| - Various Tyre Sizes | - Mixing Hopper Light | - Tank Storage Rack |
| - Mudguard Extensions | - Full Egnos Or RTK Steering | |



Horizon Model Range | SAM Sprayers



**SOMETHING
FOR *EVERY*
SIZE OF FARM**

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HORIZON 4000

For those needing a little more capacity, the Horizon 4000 is the largest model in the range before the step up to the Infinity series. With 4,000 litres of tank capacity, more land can be covered between refills and greater daily workrates can be achieved, helping you to beat the weather. The potential for higher spraying outputs is matched by the same build quality and reliability that are an integral part of other Horizon sprayers, ensuring that capacity is matched by robustness. And, of course, there is the same high level of operator comfort, with the Sands-designed Panoramic cab, made in Germany to the sort of exacting quality standards that match the rest of the machine, incorporating Category 4 filtration, superb visibility, premium levels of comfort and every control ergonomically at hand. and the impressive low noise levels take operator wellbeing to the next stage.

4000 SPECIFICATIONS

Engine	Tier 5 Final 6-cylinder water-cooled engine with Add Blue 160kw/214hp
Transmission	Fully hydrostatic 4-wheel drive with 4-speed transmission for high field torque & high road speed Poclain wheel motors
Braking	Primary hydrostatic with dynamic braking & Boosted braking on the joystick
Hydraulic Oil Tank	200 litres (High Grade HV 46)
Steering	Selectable 4-wheel steer on foot pedal with auto alignment
Chassis	Welded hollow steel section
Axles	Telescopic axles. 68-80 / 72-84 Manual Adjusting Sliding Axles
Suspension	Self-levelling hydro-pneumatic suspension
Cab	High visibility, luxury cab with climate control, high back air seat, DAB Radio, electric & heated mirrors, Category 4 carbon filtration, 8 x LED Work Lights, LED Dip & High Beam
In-Cab Controls	Steering column adjustable for height & rake. Joystick control for forward/reverse, main on/off and control of boom sections and height, and selectable 4-wheel steer. In cab control of clean water rinse tank
Spray Tank Size	4000 litres
Pump	Standard 5-cylinder 280l/min

Wash Tank	300 litres (external) mounted over rear axle		
Filtration	2" Main suction filter with flushing pressure filter and nozzle filters		
Boom Size	Standard 24m 2 stage gullwing.		
Sprayline	Standard stainless steel 0.75in with Prime and Purge boom re-circulation. Triplet nozzle bodies c/w 3 sets of spray tips.		
Section Controls	Standard 7 section cut offs in 24m.		
Plumbing	Twin rotary valves to control self-filling, spray, wash and pump out. Stainless steel 25 litre chemical induction hopper		
Application Control	Ag Leader, Trimble, TopCon, John Deere etc.		
Min Spray Height	0.5m	Max Spray Height	2.4m
Wheelbase	3.2m	Turning Circle	7m
Ground Clearance	950mm	Tyres	380/85 R34
Fuel Tank	280 litres	Max Road Speed	50 km/h
Working Weight	7.5 tonnes	Overall Width	2.9m
Overall Length	7.95m	Overall Height	3.7m



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| - 400 l/min Twin Speed Pump | - Drawbar | - 2" Power Fill Point |
| - Variable Geometry Boom (Positive & Negative) | - Side Mounted Mixing Hopper | - Toolbox |
| - 5 Sensor Boom Levelling | - Auto-Greasing Unit | - High Level Indicator Lights |
| - Duo React Bodies (4+1) | - Electronic Valve Control (E-Taps) | - Arag Auto-Fill Shut Off |
| - All Nozzles Bodies Fit Within Our Boom | - Dribble Bar Guards | - Single/Duo Stocks Applicator |
| - All Makes Of GPS | - Blue LED Boom Lights | - Techneat Applicator |
| - Various Tyre Sizes | - Mixing Hopper Light | - Tank Storage Rack |
| - Mudguard Extensions | - Full Egnos Or RTK Steering | |



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Sands has underlined its dedication to the future of farming in two key ways. The first is family management continuity, ensuring that existing and potential customers can be assured of the company's commitment. Thomas Sands, son of founder Neal, joined the business in 2005, subsequently joining his father as a director of the business. We are also particularly committed to employee training, with our employees encouraged to develop with us over the long term, retaining knowledge within the business.

The second is in premises. Over time, Sands has developed manufacturing facilities that are a match for those of any other firm in the UK self-propelled sprayer business. Now, though, plans are underway for the development of a whole new manufacturing facility close to the existing Stalham site. The most significant development in the company's history is underway...

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