



INFINITY MODEL RANGE



SAMSPRAYERS.CO.UK



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



Infinity 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.

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.



OUR FLAGSHIP MACHINE

The Infinity series comprises two models of 5,000 or 6,000 litre tank capacity. An all-new chassis means the Infinity can accommodate larger wheels, yet ensures a turning circle of just 7.6 metres, easing manoeuvrability on headlands, where four-wheel steering can be selected at the touch of a foot pedal. This system can be adapted to suit the work in hand, with options including maximum turn, true tracking, speed-related switching, and spray on/off engagement.





INFINITY 5000

5000 SPECIFICATIONS

Engine Tier 5 Final 6-cylinder water-cooled engine with Add Blue 160kw/214hp

Transmission CVT Transmission - Linking engine revs and transmission with seamless hydrostatic drive with dynamic brakes / ECO Engine Management on road & field for fuel efficiency / Cruise Control

Braking Primary hydrostatic with dynamic braking & Boosted braking on the joystick & foot brake

Hydraulic Oil Tank 200 litres (High Grade HV 46)

Steering/ 4 Wheel Steering Options Selectable 4-wheel steer on foot pedal with auto alignment • True Track Selection • Max Front & Rear Selection • Permanent • Speed Control • Spray On/Off

Chassis Welded hollow steel section

Axles Telescopic axles. 72-84 Manual Adjusting Sliding Axles

Suspension Self-levelling hydraulic suspension • Independent Corner Control For Ride • Height Correction • Side Slope Auto Lock Out

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 5000 litres **Pump** Standard 6-cylinder 400l/min

Wash Tank 500 litres (Internal) mounted over rear axle

Filtration 3" 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 40 litre chemical powered induction hopper

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

Min Spray Height 0.4m **Max Spray Height** 2.5m

Wheelbase 3.75m **Turning Circle** 7m

Ground Clearance 1200mm **Tyres** 380/95 R38

Fuel Tank 280 litres **Max Road Speed** 50 km/h

Working Weight 10.8 tonnes **Overall Width** 2.9m

Overall Length 8.4m **Overall Height** 3.73m





INFINITY 6000

6000 SPECIFICATIONS

Engine Tier 5 Final 6-cylinder water-cooled engine with Add Blue 180kw/242hp

Transmission CVT Transmission – Linking engine revs and transmission with seamless hydrostatic drive with dynamic brakes / ECO Engine Management on road & field for fuel efficiency / Cruise Control

Braking Primary hydrostatic with dynamic braking & Boosted braking on the joystick & foot brake

Hydraulic Oil Tank 200 litres (High Grade HV 46)

Steering/ 4 Wheel Steering Options Selectable 4-wheel steer on foot pedal with auto alignment • True Track Selection • Max Front & Rear Selection • Permanent • Speed Control • Spray On/Off

Chassis Welded hollow steel section

Axles Telescopic axles. 72-88 Manual Adjusting Sliding Axles

Suspension Self-levelling hydraulic suspension • Independent Corner Control For Ride • Height Correction • Side Slope Auto Lock Out

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 6000 litres **Pump** Standard 6-cylinder 400l/min

Wash Tank 500 litres (Internal) mounted over rear axle

Filtration 3" 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 40 litre chemical powered induction hopper

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Wheelbase 3.75m **Turning Circle** 7m

Ground Clearance 1200mm **Tyres** 380/95 R38

Fuel Tank 280 litres **Max Road Speed** 50 km/h

Working Weight 11 tonnes **Overall Width** 2.9m

Overall Length 8.4m **Overall Height** 3.73m

Infinity Model Range | SAM Sprayers





NEW SIDE MOUNTED FILLING STATION

Simple to use, easy to work with

When we set out to create the new side-mounted filling station for Infinity sprayers, our aim was to make life even easier for operators of Sands machines. The new layout has been designed to make your spraying days as simple as possible. Easy to access and effortless to work with, it features a logical control layout with simple valve and push-button controls and an easy-to-read screen, a combination that makes the sprayer easy to use, whether setting up for filling, spraying or washing-out.



Infinity Model Range | SAM Sprayers



POWER AND COMFORT

Fully independent suspension ensures comfortable travel, while those with a wide range of cropping will appreciate a track width that can be adjusted from 72-88in/1.8-2.2m.

Power is provided by a Stage 5 Deutz six-cylinder engine producing 242hp. A new hydrostatic transmission offers seamless gear changes and traction control as standard, while eco engine management with road and field modes ensures maximum fuel efficiency.

In the cab, key changes include a new armrest that puts all operating functions at the driver's fingertips, with features including eco functions that allow operation at lower engine rpm where possible to minimise fuel use. Further highlights include the Sands Overhead Screen control system, which provides full fingertip operation of filling, lights, machine health check management and hydraulic sliding axles.





TAKE EVERY TYPE OF PRODUCT ON-BOARD AT SPEED

Forming an integral element of the new side-mounted filling station fitted to all Infinity models, the new induction hopper design has a capacity of 40 litres, ensuring there is plenty of room to ingest products such as powders or those that may foam, as well as more conventional liquids. It incorporates two washing nozzles, to ensure thorough intake of chemical and complete rinsing and cleaning. There is also a useful hand lance to aid clean-down of the machine once work has finished. All these improvements add up to make a big difference on a long day's spraying.



EASILY CONTROL ALL KEY MACHINE FUNCTIONS

The new Sands Overhead Screen control system has been developed to provide full fingertip operation of major elements of the sprayer. From here you can easily and quickly initiate the filling procedure, control the hydraulic sliding axles and even operate the lights. The system also provides a full health check of the Infinity's key management points. Everything you need to monitor and manage major functions of your sprayer is in your eyeline and at your fingertips.



OPTIONS

- Variable Geometry Boom (Positive & Negative)
- 5 Sensor Boom Levelling
- Duo React Bodies (4+1)
- All Nozzles Bodies Fit Within Our Boom
- All Makes Of GPS
- Various Tyre Sizes
- Mudguard Extensions
- High Level Strobe Lights
- Drawbar
- Auto-Greasing Unit
- Electronic Valve Control (E-Taps)
- Dribble Bar Guards
- Blue LED Boom Lights
- Mixing Hopper Light
- Full Egnos Or RTK Steering
- 2" or 3" Hydraulic Fast Fill Pump
- 2" or 3" Power Fill Point
- High Level Indicator Lights
- Single/Duo Stocks Applicator
- Techneat Applicator
- Tank Storage Rack
- Sprayline Blow Down From Armrest



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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