



INFINITY MODEL RANGE

SAMSPRAYERS.CO.UK



1973 - 2023

FOUNDED IN THE FIELD.



Sands has underlined its dedication to the future of farming and crop protection 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, Neal's son, joined the business in 2005, subsequently joining his father as a director of the business. While the first mark of dedication is in the business's people - and in addition to senior management, Sands is committed to training its employees and helping them to develop their skills. 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, which is the most significant development in the business's history.

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 machines from scratch. Key components 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, we employ a team of dedicated welders to complete key components, we have a team of talented paint sprayers for the best possible finish, and expert assembly engineers who know every model of our range inside-out. With SAM sprayer you can rest assured that your machine has been built by people who care about their work and take the highest possible pride in it and what it means for your business.

OUR QUALITY STANDARDS

Whether you order from Sands 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



SIDE MOUNTED FILLING STATION

Side-mounted filling station; with two washing nozzles and an additional hand lance for external cleaning.





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.





INDUCTION HOPPER

A new 40-litre induction hopper that's part of a new side-mounted filling station features two washing nozzles and an additional hand lance for external cleaning.



OVER HEAD SCREEN

With full control of filling, lights, machine health check management and hydraulic sliding axles.



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



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 his contracting business that had developed from the farming operation, and 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 boom 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.





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