













www.techneat.co.uk





ABOUT US

Techneat Engineering is a UK manufacturer based at Littleport in Cambridgeshire where we design and manufacture a range of machines and equipment for agricultural, amenity and sports sectors.

With years of experience in metal fabrication and plastic moulding we have created a portfolio of products designed to cover aspects of Sow, Feed and Protection of crops and turf.

Our products are made using durable plastic and steel at our Littleport factory and our electronic control systems are manufactured by our sister company Robydome Ltd in Sudbury. All products are assembled and tested in-house before shipment.

We offer field servicing and most spares are available for next day delivery in the UK. Technical help is available on the phone or in person if required. Techneat products are also available from most agricultural dealerships in the UK.

CONTENT

Multicast - Multi Use Air Seeder	
MulticasT range	04
MulticasT 200 & MulticasT 400	05-06
MulticasT Duo	07
MulticasT 200 UTV mount	
MulticasT 400 trailed 12m/15m	09
MulticasT 400 mounted	
MulticasT Twin Air	
MulticasT 1200	12
Slug Control	
OutcasT Duo	
OutcasT V2	14-15
Fertiliser	
Placement Pro Air	
NutristarT Lq	17
Potatoes - Cereals	
PlacemenT Pro LQ	18
MicrodrivE	
MicrocasT 70	
MicrocasT 70 Air	
MicrocasT 250	
TerracasT GR	
MaxicasT	
In-FurroW V2	
PlacemenT Pro GR	
Miscellaneous	0.5
Vari-Scary	
NSTS Testing	28
Lawn Care Equipment	
Acuspray	
Acuspray Solo	
Weed Wizard	
SPPS	
Aculine Line Marker	
Fuel Tanks	
Con-Tented Products	
Techneat Roto-Moulded Products	38

CONTENT

Techneat

MulticasT 200 & MulticasT 400



Techneat has been manufacturing air seeders since 1995 - drawing on our vast experience and expertise we now offer the Multicast - A multi purpose seeder unit that can apply pretty much any

product by easily changing single metering Using a cartridge. powerful hydraulic driven fan and a Garmin GPS speed controller - each product is accurately applied though distribution head

available in many different configurations. All machines come complete with wiring kit, outlets and a coil of hose - everything you need to get going.



MULTICAST 200 & MULTICAST 400

MULTICAST 200

Easily fits to implement using a T frame - This 200L tank unit is easily fitted to drills or rolls. It can even be specified with dual tanks and fitted to a combine header to apply both OSR and Slug pellets simultaneously whilst keeping the products segregated in the separate tanks. If you only wish to apply small seeds on a up to 5m cultivator then a budget conscious electric fan version is available.

MulticasT 200 Key Features

- 200 litre hopper
- NSTS compliant
- GPS Garmin forward speed sensor
- Full in-cab control
- Easy single point calibration
- Generic "T" frame mount supplied for easy fitting (200 litre only)
- Hydraulic fan (16lpm and free flow return)
- Small seed. Grass seed. Avadex and Cover crop cartridges available



MulticasT 200 & MulticasT 400

MulticasT Duo



 3 – 16m spread width depending on specification

MulticasT 200 Options

- Multiple outlet options
- Electric fan option (less than 5m)
- Dual hopper option

MULTICAST 400

MULTICAST – MULTI USE AIR SEEDER

The 400L option offers the same versatility as the 200 – However a substantial chassis holds the large capacity 400 tank for wider and larger applications.

MulticasT 400 Key Features

- 400 litre hopper
- NSTS compliant
- O GPS Garmin forward speed sensor
- Full in-cab control
- Easy single point calibration
- Hydraulic fan (16lpm and free flow return)
- Slug pellet, seeds, Avadex and Cover crop

MulticasT 400 Options

- Multiple outlet options available
- Double blade fan for 15-16m
- Flexible mounting



MULTICAST DUO

Using 2 separate tanks, metering units and control systems 2 products can be applied simultaneously easily and accurately – each product is calibrated individually and metered to its own distribution head. The machine consists of a 400l main tank with a 125l "piggy back" tank that neatly fit together. For example Seed and slug pellets or Seed and micro granule fertiliser can applied easily and accurately.

Key Features

- Separate seed and fertiliser hoppers
- GPS Garmin forward speed sensor
- Simple calibration
- Straightforward to use
- In-cab control
- Reduced establishment costs
- Promotes early establishment

Options

- Flexible number of outlets
- Hydraulic fan
- All weather cover
- 125 litre and 400 litre hoppers
- Full range of metering cartridges available

MulticasT 200 UTV mount

MulticasT 400 trailed 12m/15m



MULTICAST 200 UTV MOUNTED

The 12m UTV option uses a 200l tank and a honda driven fan unit. Supplied as a "turn key" machine ready to slide into the back of a UTV. The frame work enables the unit to be tied down using ratchet straps or bolted through the buck for a more permanent fixing. This spec is very popular for applying Avadex granules.

Key Features

- Honda engine driven fan unit
- 12m geo-boom
- 200 litre tank
- GPS Garmin forward speed sensor
- ◆ 500mm spaced outlets
- NSTS certificate supplied
- Multiple tie-down and bolt-down points

MULTICAST 400 TRAILED 12M/15M

The Trailed unit uses a 400 L tank and a single or twin axle trailer chassis. This uses high quality load rated tyres and suspension units (NOT to be used on the public road). The fan is driven by a Honda engine and the boom is available as either a 12m or 15m on this spec.

Key Features

- Honda engine driven fan unit
- GPS Garmin forward speed sensor

- ◆ 400 litre tank
- Slug pellet cartridge supplied
- ◆ 500mm spaced outlets
- NSTS certificate supplied
- Increase track to reduce ground pressure
- Quality suspension units and load rated UTV tyres

Options

12m or 15m geo-boom options

*Not for road use

MULTICAST – MULTI USE AIR SEEDER

| TECHNEAT ENGINEERING | 9

MulticasT 400 mounted

MULTICAST TWIN AIR



MULTICAST TWIN AIR

Mounting an additional metering unit under the 400L tank gives us the capability of fitting the Twin unit to 24m/32m or 36m spray booms. Having 2 metering units 2 control systems and a very high capacity hydraulic fan Avadex granules/Cover crops or grass seed can be applied at very wide widths. Dual outlets ensure there is an outlet at every 500mm to give very good coverage.



MULTICAST 400 MOUNTED

Using a 3 point linkage frame this unit can be easily fitted to the front or rear linkage on a tractor. We supply the unit with a 12m or 15m manual fold boom. This uses a hydraulic fan to blow the product the dual outlets to give 500mm spacing. The Booms feature a swinging centre frame to ensure a smooth and level travel across the field.

Key Features

◆ 3-point linkage frame for ease of fitment

- Hydraulic hoses supplied
- GPS Garmin forward speed sensor
- ♦ 400 litre tank
- ◆ 500mm spaced outlets
- NSTS certificate supplied
- Hydraulic fan (16lpm and free flow return)

Options

12m or 15m geo-boom options



Key Features

- 400 litre tank
- > Twin control systems allowing half width shut off
- Twin distribution heads
- NSTS compliant
- High capacity fan (36lpm and free flow return)

Options

- 500mm outlet spacing
- 24 36m kits available
- Self-fit or fitted by UK sprayer manufactures





MULTICAST 1200

The biggest tank option in our range – This can be fitted with 18m or 24m booms to give maximum coverage for the serious contractor.

Key Features

- 24m boom with suspension
- Full boom control in height, fold and tilt
- GPS Garmin forward speed sensor
- Dual metering allowing

half width shut off

- 1200 litre hopper
- 3-point linkage mount
- NSTS certificate supplied
- High output fan 36lpm and free flow return

Options

- Ocan also apply slug pellets
- Electro hydraulic boom controls
- Seeds, Avadex, Cover crop and grass seed cartridges

OUTCAST DUO

The **OutcasT Duo** is a twin spinning disc applicator designed to fit onto the flat bed of a utility vehicle. It spreads to a distance of 24m at a typical forward speed of 15kph. The control system uses GPS speed sensing and pellets are metered onto each spinning disc to ensure a uniform and accurate distribution.

The **OutcasT Duo** can also be fitted to the front or rear tractor linkage or fitted to the front of a 24m sprayer.

Key Features

- Large hopper fewer refills
- Metering adjusts for forward speed

- Powerful disc motors
- GPS Garmin forward speed sensor

Options

- Sprayer or UTV mounting
- UTV skirt
- Small pellet cartridges



OUTCAST V2



OUTCAST V2

SLUG CONTROL

The **OutcasT V2** is a sprayer mounted slug pellet applicator which uses a unique system of satellite spinning discs on the sprayer boom. The slug pellets are metered from a front or rear mounted hopper into an air stream and blown to the spinning discs on the boom for distribution. Each spinning disc is used to spread the pellets a distance of 12 meters in total. Headland or sectional control options can control spread width accuracy around headlands. The **OutcasT V2** is a very well proven machine that is now fitted as a factory fit option by most UK sprayer manufacturers.

Key Features

- Positively metered pellets
- Even distribution
- Simple calibration
- NSTS compliant
- Can apply some cover crops

Options

- Front or rear mounted
- Headland control (single valve)
- Sectional control (3 valves)
- OPS Garmin forward speed sensor
- 24 to 48 meter spread
- Factory fit by most UK sprayer manufacturers
- 400 litre option







PLACEMENT PRO AIR

NutristarT LQ



PLACEMENT PRO AIR

FERTILISER

The **Placement Pro Air** is a front mounted fertiliser applicator which is typically used to band conventional or prilled fertiliser over 3 beds. It has an electronic control system and stainless steel components to ensure accurate, corrosion free operation. The 1500 litre hopper is designed to accommodate a 1 tonne bulk bag or 2 600kg bags of fertiliser to minimise filling time.

Key Features

- 1500l hopper
- Versatile air delivery method
- GPS speed sensor
- Front mounting hopper
- Integral Weight frame

Options

- Various placement solutions to suit your requirements
- Suitable for potato, Veg and salad crops
- Hydraulic fold boom

NUTRISTART LO

The **NutristarT LQ** is a liquid fertiliser system for application of starter fertiliser. Early application of N & P fertiliser can help the crop establish strong root structure before the winter and establishes the crop ahead of competing weeds. Stronger crops are less susceptible to slugs and birds.

The fertiliser is typically applied in a pencil jet behind each leg so that the seed benefits directly from the nutrients and by placing fertiliser deeper in the soil encourages deeper roots. Each nozzle is fed from a 12v pump mounted near the tank via a stainless steel manifold. Different outlet configurations are available. Tanks can be 600 or 1000 litres in size and supplied with either a front linkage mounted chassis or implement mounted cradle. We can supply just the control system if you wish to make use of an existing tank.

The **NutristarT LQ** is compatible with the **MulticasT** seeder to give you the complete package.

Key Features

- Liquid fertiliser placement
- GPS Garmin forward speed sensor
- Simple calibration

- Straightforward to use
- In-cab control
- Stainless steel metering discs manufactured in all sizes

Options

- High output pump
- Front or implement mounted
- 600 or 1000 litre tank
- Ontrol system only available





PLACEMENT PRO LQ

MicrodrivE 8







PLACEMENT PRO LQ

The PlacemenT Pro LQ is a precision front mounted liquid fertiliser injection system fitted to a potato planter. The system can use either two angled tines or a single delta wing tine per row.

The 1000 litre tank fits to a close coupling CAT 2 linkage to maximise driver visibility. The system has a powerful hydraulic pacer pump to achieve very high application rates. This also allows the tank to be fast filled in the field.

Key Features

- Planter mounted injection tines
- 1000 litre tank

POTATOES

- Front mounted
- Powerful pacer hydraulic pump
- RDS control system
- Stainless steel metering discs
- Garmin GPS forward speed sensor

Options

- Flexible number of rows
- Fitting kits available for various manufacturer's equipment

MICRODRIVE

The MicrodrivE system is retro-fitted to Horstine Microband and TM Air machines and replaces the land-wheel drive with the Techneat drive motor and control system.

The MicrodrivE system is simple to fit and application rates can be changed with the press of a button on the in-cab controller. Forward speed is monitored using GPS so is not susceptible to land-wheel slippage.

Key Features

- Replaces land-wheel
- Simple to fit and calibrate
- In-cab rate control
- NSTS compliant

Options

- Flexible number of outlets
- GPS Garmin forward speed sensor



TECHNEAT ENGINEERING



MICROCAST 70

The **MicrocasT 70** is a low cost solution for application of granular products. It is fitted with Apcal cartridges to apply starter fertiliser on seed drills or to apply nematicide for potato growers.

The **MicrocasT 70** can be fitted with an optional air assist kit to aid the flow through the delivery tube to the venturi.

Key Features

- 70 litre hopper
- Simple to fit and calibrate
- Garmin GPS forward speed sensor
- In-cab flow rate control
- NSTS compliant
- Gravity feed





Options

- Flexible number of outlets (single/dual or triple)
- Air assist kit
- All weather cover
- Various cartridges available
- Multiple outlet option
 - Nemathorin'

MICROCAST 70 AIR

The **Microcast 70** is designed to apply Vydate on a 2 or 3 row planter. It is fitted with a small fan to blow the product into the opener. It has all the features of a standard gravity machine but because the product is blown the hopper can be mounted at a more convenient height for filling.

Typically the **Microcast 70 Air** is fitted to the back of the planter and the pipework runs forward directly into the furrow. The system is easily calibrated by carrying out a dump test.

Key Features

- 70 litre hopper
- Low level filling
- Air delivery
- Simple to fit and calibrate
- NSTS compliant



Options

- OGPS Garmin forward speed sensor
- All weather cover
- Various cartridges available



POTATOES/CEREALS



MICROCAST 250

The **MicrocasT 250** is a granular applicator which has a large 250 litre hopper with 2 metering units. It is used for nematicide and starter fertiliser.

Nematicide use: commonly mounted on a front single bed tiller with the planter on the back of the tractor. Cartridges are available for Nemathorin, Mocap and Vydate.

Starter fertiliser use: mounted directly onto the drill. An optional air assist kit can aid the flow through the delivery tube to the venturi to be placed with the seed.

Key Features

250 litre hopper

POTATOES

- Nematicide use
- Starter fertiliser use
- Garmin GPS forward speed sensor
- NSTS compliant

Options

- Various cartridges available
- Air assist kit
- Closed transfer system
- All weather cover
- Multiple outlet option

TERRACAST GR

The **TerracasT GR** is a granular version of the TerracasT V2 seeder unit with an upgraded fan, metering system and distribution head for even distribution of nematicide and starter fertiliser products. It can also be used as a seeder with minimal modifications. It is a popular choice to apply nematicide up to 2 beds wide.

Key Features

- 200 litre hopper
- Suitable for seeds and granular products
- Air delivery
- Simple to fit and calibrate
- NSTS compliant
- Uses Apcal cartridges
- Closed transfer filling

Options

- Hydraulic fan
- All weather cover
- Flexible number of outlets





MAXICAST

POTATOES / COVER CROPS

The MaxicasT is principally a nematicide applicator for 3 bed tillers but can also be used to apply cover crops. Nematicide use: can be mounted either on the front or rear of the tractor. The hydraulic fan is capable of blowing nematicide from the front to the back with even distribution across a width of up to 6 meters.

Cover crop use: can be used on a power harrow to seed barley (barley used to prevent soil erosion on light fens soils), or growers can use a MaxicasT to establish game cover.

Key Features

- 400 litre hopper
- Garmin GPS forward speed sensor
- In-cab flow rate control
- NSTS compliant
- Closed transfer filling

Options

- Front or rear mounted
- Various boom widths up to 6m
- All weather cover
- ISOBUS controller

In-FurroW V2

The In-FurroW V2 is designed to apply soil treatments like Amistar and/or Velum prime onto the soil around the seed potato at planting, by using a direct chemical injection pump to mix chemical with water into the spray line. A 200 litre tank is standard but the In-Furrow V2 is available with a range of tank options up to 1000 litres.

The Techneat system has standard fitting kits for the most popular makes of planters. Optimised nozzle sizes give excellent spray pattern without drift, reduction in nozzle pressure and excellent anti-blockage properties.

Key Features

- Separate tanks for water and chemical
- Dosatron chemical injection pump
- Easy to use and calibrate
- No spray drift
- Reduction in nozzle pressure
- NSTS compliant

Options

- Tank sizes: 100, 250, 600 and 1000 litre
- Garmin GPS forward speed control
- Flexible number of outlets

PLACEMENT PRO GR







PLACEMENT PRO GR

The **Placement Pro GR** is a front mounted fertiliser applicator. It has a robust land wheel and stainless steel components to ensure accurate, corrosion free operation. The 1200 litre hopper is designed to accommodate a 1 tonne bulk bag or 2 x 600kg bags of fertiliser to minimise filling time. The machine can be fitted with tines to place the fertiliser in the soil or fishtails to place it on the surface. The tines are staggered and boards are positioned on the sides to reduce bulldozing and maintain the integrity of the seed bed. Depth wheels control the exact height of the fertiliser bed.

Key Features

POTATOES

- Land wheel driven
- Depth control wheels
- Easy to fit and calibrate
- ◆ 1200 litre hopper
- ◆ Hopper accommodates 1 tonne bulk bag or 2 x 600kg bags
- Reduction in fill time

Options

- Garmin GPS forward speed sensor
- 2 or 3 row set up
- New disc option in lieu of Tines (See picture above)

VARI-SCARY

The **Vari-Scary Mark II** is a propane gas-cannon with a programmable 7 day clock. Each day can be programmed in half hour intervals. The body is made of tough polyethylene plastic and has an integral handle and sculpted sides for easy handling. The ignition system creates a multiple spark in the steel combustion chamber reducing any possibility of misfire. It has a solar panel option that will trickle charge the internal battery, keeping it in perfect condition even in cold weather.

Key Features

- 7 day clock (on/off each day)
- Durable and weatherproof body
- Integral handle
- Light weight
- Detachable gas-cannon

Options

- Internal battery kit
- Solar charger

NSTS Testing





NSTS TESTING

Techneat Engineering provides a nationwide coverage of granular NSTS testing. NSTS testing is a requirement of the major UK crop assurance schemes and of supermarket protocols to provide the following:

- ensure sprayer equipment and agrochemicals are being used in a manner that is safe for the sprayer operative
- using expensive nematicide, most efficiently, getting the chemicals exactly where they are needed, with minimal money-wasting excess.
- Satisfies the sprayer testing requirements of the Sustainable Use Directive.

 Working with a network of partners across the country we provide a calibration satisfies.

Working with a network of partners across the country we provide a calibration service for users of nematicides.

Spare parts are available for Horstine including sprockets, metering cartridges and fishtail outlets.







ACUSPRAY

The **Acuspray** pedestrian sprayer is aimed at the professional groundsman and keen gardener for the application of a wide range of products onto fine turf and hard surfaces.

The machine features a unique wheel driven pump providing an accurate repeatable application rate. Light weight in design but strong in construction the sprayer uses modern manufacturing processes to produce a robust and durable machine.

The **Acuspray** is the ideal sprayer for grass court venues, golf greens, bowling greens, cricket squares and grave yards where frequent treatments are required. Productivity, ease of use and accuracy is far superior to that of a traditional knapsack sprayer.

Key Features

- 1 meter spray width
- 25 litre tank capacity
- ♦ 625m² coverage
- Non drip nozzle valves
- Suitable for most chemicals

Options

- Bout markers
- Boom cover
- Spray control lever



MISCELLANEOUS

LAWN CARE EQUIPMENT

Acuspray Solo

WEED WIZARD



ACUSPRAY SOLO

Pedestrian battery sprayer for large area playing surfaces and fine lawns. Large capacity 35L sprayer for applying pesticides and liquid fertilisers or moss treatments. Folding boom and travel rest allows easy carriage and narrow gate access. Perfect for bowling greens, golf greens and fine turf areas. High capacity battery powered Shurflo pump for even spray application with adjustable pressure regulator.

Key Features

- ▶ High capacity 12v, 10ah Li-on battery
- Spray Width 3m

- Fastcap & flat nozzles fitted as standard
- 35L tank with drain plug for approx coverage
- In line removable filter for easy cleaning
- Pressure gauge in Bar & Psi. Adjustable regulator allows easy pressure/ output change
- Drip check valves and nozzle filters fitted as standard
- Includes charger for in-situ or removable battery charging

WEED WIZARD

Key Features

- Targeted weed control
- Highly productive
- Environmentally friendly
- Adaptable technology
- Minimal herbicide use
- Automised application



- No blanket spraying
- All terrain

Suitable for treatment on

- Path/cycle ways
- Kerb edges
- Block paving
- Gravel hard standings









The SPPS is a self-propelled pedestrian sprayer providing world class lawn care at many of the leading UK sporting venues including LTA tennis courts, premiership football clubs, golf courses and cricket clubs. Overseas the SPPS is used at football clubs in the Italian Serie A and French Lique1 leagues and at the African Cup of Nations grounds.

The SPPS is also used worldwide by the Commonwealth War Graves Commission and by many County Councils within their amenity departments. A number of large franchise lawn care professionals also use the SPPS within their portfolio of equipment as they are lightweight and easy to manoeuvre.

A 5.5hp Honda engine provides ample power and torque to propel the sprayer over undulating ground. The unique transmission configuration allows the pump to run continuously providing tank agitation, whilst drive to the front wheels is made possible through an efficient clutch arrangement.

Excellent manoeuvrability is achieved through the use of a differential on the front axle

Key Features

- Ultra- low ground pressure tyres
- 5.5hp Honda engine
- Excellent manoeuvrability
- Clutch drive system
- Non drip nozzles



Options

- 3 or 4 meter boom
- 30 or 120 litre tank
- Boom cover
- Foam bout marker



LAWN CARE EQUIPMENT

LAWN CARE EQUIPMENT

Aculine

Techneat TANKS



ACULINE LINE MARKER

The **Aculine Line Marker** is lightweight by design but its strong construction makes it easy to use and durable. The plastic tank forms part of the body of the machine reducing the number of components. The transfer wheels are also manufactured from durable plastic, making them long lasting and lightweight.

The **Aculine** does not suffer from corrosion like traditional metal line markers and it can be cleaned more easily as the paint does not bond to the plastic.

Key Features

- Simple elegant design
- 20 litre capacity
- Pneumatic rear wheels
- Drain plug

Options

- Marker wheels:
 - 50mm/2" Tennis
 - 75mm/3" Paint saver
 - 100mm/4" Standard

FUEL TANKS

The **Techneat** fuel tank range includes purpose designed 110 litre, 220 litre and 440 litre models. Fitted with diesel and AdBlue specific 12-v pumps, the robust high quality tanks offer a convenient, cost effective and safe way to transport and accurately dispense liquids. The AdBlue tanks utilise a specific high capacity pump fitted for reliable delivery of the urea based fuel additive. The diesel tanks are fitted with self-priming fast flow fuel pumps. The tanks are manufactured from high grade polyethylene at our roto-moulding facility in Littleport. AdBlue and diesel transfer pump kits are also available to purchase.





110 & 220 Key Features

- Diesel 40l/min
- ◆ AdBlue 40l/min
- 6-7mm wall thickness
- UV stable PE
- 5 meter delivery hose
- High flow 12v pump
- Weights: 110l 12kg; 220l 20kg

Options

- Flow meter
- Auto nozzle
- Longer delivery hose available
- 220l low profile tank suitable for back of pick-up trucks (20kg weight)

440 Key Features

- Diesel 50l/min
- AdBlue 50l/min
- 6-7mm wall thickness
- UV stable PE
- 25kg weight (empty)
- In-line filter
- Auto off nozzle
- Forklift tine slots
- Lockable lid
- Weight: 35kg
- 5 meter delivery hose

Options

- Flow meter
- Longer delivery hose available

Fuel tanks can be purchased from the e-bay shop premierwaterbutts or from www.techneattanks.co.uk



Con-Tented Products

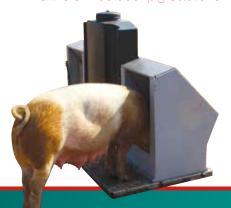


CON-TENTED PRODUCTS

Con-Tented Products is owned by Techneat Engineering based at Littleport where we design and manufacture a range of innovative and quality products for the outdoor pig industry.

www.contentedproducts.co.uk t: 01353 862 044







Techneat TANKS





Techneat Roto Moulded Products has been producing plastic rotationally moulded products for over 20 years, manufacturing tanks and other moulded parts for our own agricultural machines as well as contract moulding for a wide range of industries. We have a range of tanks (from 10 litres to 5000 litres), unique water-butts, hoppers (from 90 litres to 1200 litres) and various other plastic items such as moulded bucket seats. All our tanks are water tested before they leave the factory.

All products can be purchased from the e-bay shop premierwaterbutts or from www.techneattanks.co.uk

















NOTES





Techneat Engineering

www.techneat.co.uk

t: 01353 862 044 | e: info@techneat.co.uk