

Smithco | WE TAKE YOUR
TURF SERIOUSLY

CATALOG

**GOLF COURSE AND
TURF MANAGEMENT
EQUIPMENT
FOR INDUSTRY
PROFESSIONALS**

WE TAKE YOUR TURF SERIOUSLY

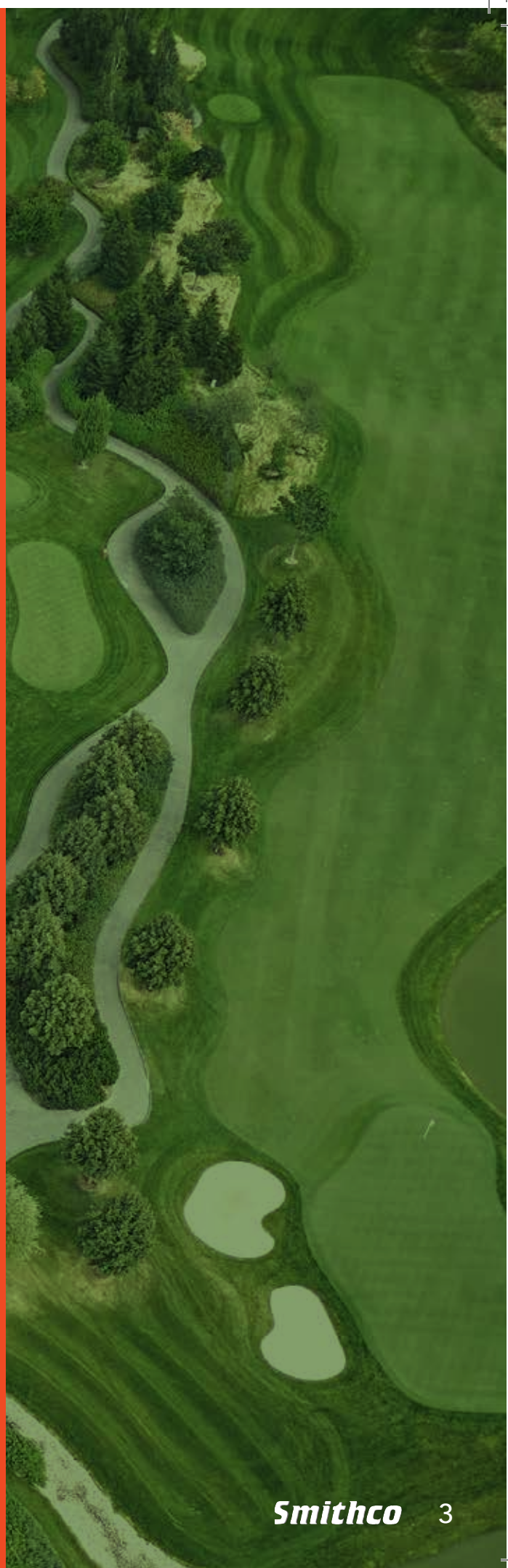


Hong Kong | Singapore | Malaysia | Australia

Email: info@centaur-asiapacific.com

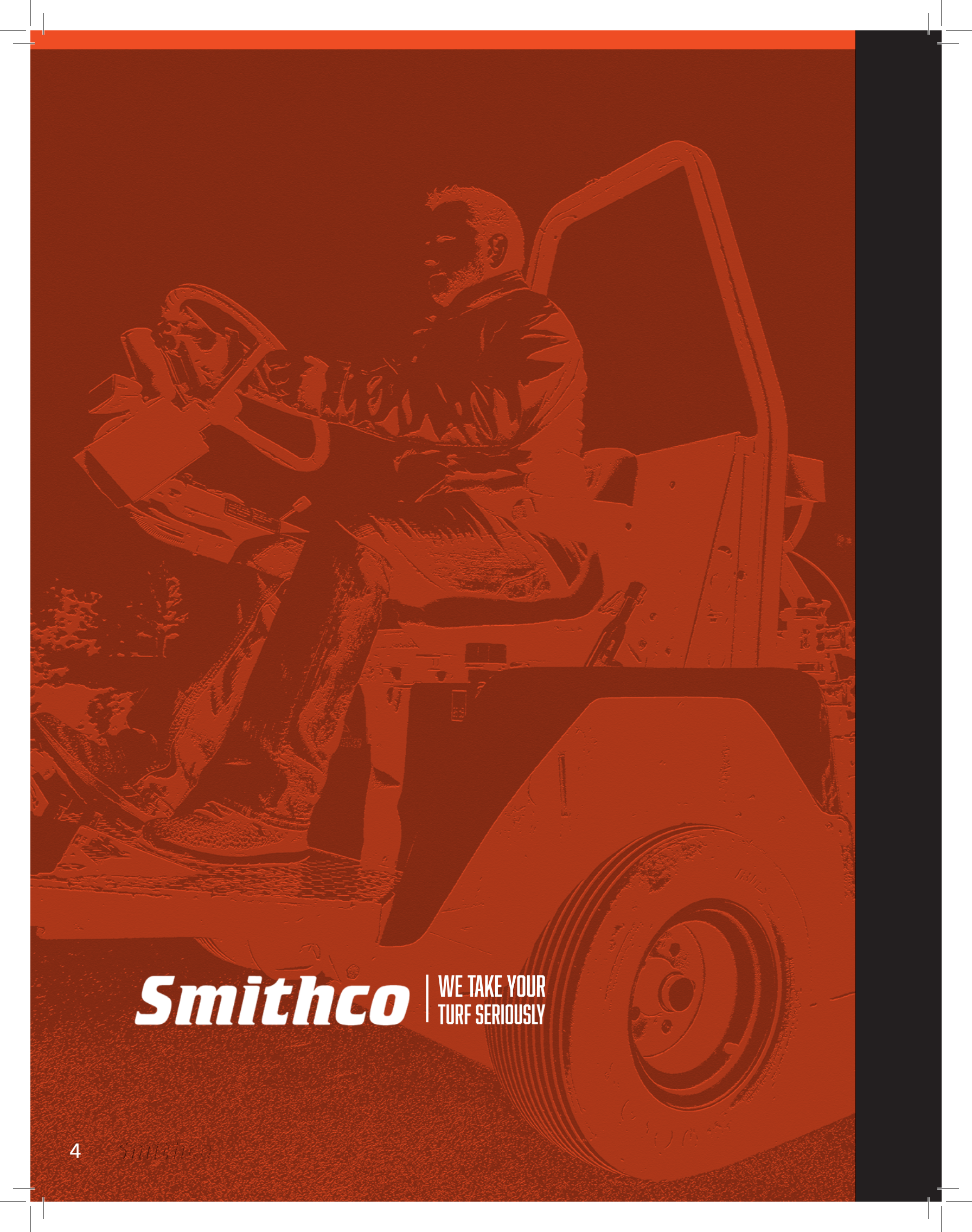
Website: www.centaur-asiapacific.com



An aerial photograph of a lush green golf course. A winding, light-colored path or stream meanders through the landscape, which is dotted with various trees and shrubs. Several distinct ponds or water features are visible, interspersed among the green fairways and roughs. The overall scene is vibrant and well-maintained.

With over 55 years as the industry leader in golf course and turf equipment, Smithco is trusted by golf superintendents, parks and recreation managers, and athletic field supervisors worldwide to deliver state-of-the-art products and exceptional customer service.

As a start-to-finish manufacturer, Smithco is able to reduce costs and increase efficiency for a dealer network in more than 60 countries. With fast and reliable product and sales support, Smithco is dedicated to making your best even better.



Smithco | WE TAKE YOUR
TURF SERIOUSLY

TABLE OF CONTENTS

DEDICATED SPRAY VEHICLES

Star Command Series.....	8-9
Spray Star 1110	10
Spray Star 1200	11
Spray Star 2000	12
Spray Star 3180	13
Spray Star 300T.....	14-15

BUNKER RAKES

Sand Star Prime Movers	16-17
Sand Star E 48V.....	18-19

TURF SWEEPERS AND SWEEPER VACUUMS

Sweep Star 48.....	20
Sweep Star 60.....	21
Sweep Star 60 Quad.....	21
Sweep Star V62.....	22
Sweep Star V62-V.....	22
Sweep Star V72 PTO.....	23
Sweep Star V72-E.....	23

FAIRWAY ROLLERS

Ultra 10 Fairway Roller.....	24-25
Ultra 15 Fairway Roller.....	24-25

GREENSROLLERS

Tournament XL 7000.....	26-27
Tournament Ultra Lite 7576	28-29
Tournament Ultra 7580 and 7590	29

AERATORS

Aer-8	30-31
-------------	-------

WHY CHOOSE SMITHCO?

Smithco has the toughest equipment with the lightest footprint in the turf maintenance industry. Made with durable materials, your Smithco equipment is built to last in the most rugged environments.



EFFICIENCY

Save time and money with Smithco products - built with efficiency in mind.



TECHNOLOGY

Our state-of-the-art GPS technology is what separates Smithco products from the competition.



RELIABILITY

We stand behind each and every one of our products with dependable and knowledgeable customer service.



DURABILITY

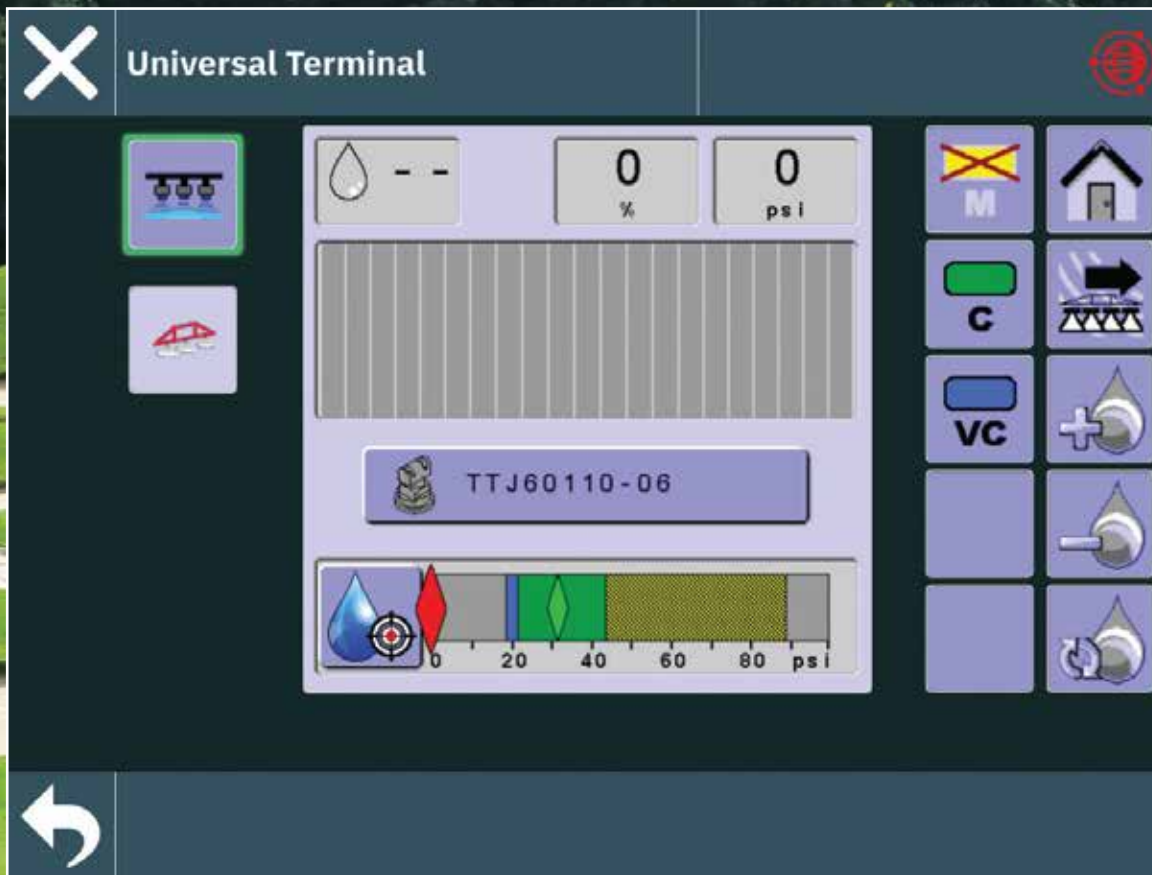
Superior construction and durable materials combine to ensure industry-leading longevity across our product lines.

BETTER CUSTOMER SERVICE. BETTER TECHNOLOGY. BETTER EQUIPMENT.

At Smithco, we strive for the best equipment that outperforms the competition.

From golf courses to athletic fields, parks, recreational facilities and more - Smithco believes in making your best even better with state-of-the-art golf course and turf equipment.

With direct access to your dealer network, you can trust that Smithco delivers fast and reliable solutions, prioritizing both the highest quality turf maintenance equipment and the best customer service available in the industry.



CHOOSE YOUR STAR COMMAND ON ANY SMITHCO SPRAYER

STAR COMMAND I

- Advanced rate control TeeJet Radion 8140 field computer
- TeeJet DynaJet pulse width modulation system with pressure and droplet size control for on-demand drift control
- Wide range of ground speed while maintaining rate and droplet size
- Purpose-built spray boom with dual nozzles and dual-solenoid valves

STAR COMMAND II

- Advanced precision TeeJet Matrix GPS satellite guided field computer
- TeeJet DynaJet pulse width modulation system with pressure and droplet size control for on-demand drift control
- TerraStar C-Pro multi-constellation correction including GPS, GLONASS, Galileo, and BeiDou constellations
- Provides sub-2 in (5 cm) position control and permanently retained mapping
- Wide range of ground speed while maintaining rate and droplet size
- Purpose-built spray boom with single nozzle 10 in (25 cm) nozzle spacing for greater accuracy

STAR COMMAND SYSTEM GIVING YOU THE TURF ADVANTAGE

Smithco and TeeJet® Technologies provide the highest level of customer support anywhere in the world through an exclusive partnership.

Smithco sprayers that are equipped with Star Command I or Star Command II are designed to deliver the most accurate spray technology in the industry.

TURN COMPENSATION corrects flow to keep application rates on target through turns as tight as 20 feet (6.1 meters). It lets you avoid straight-line applications on contoured areas or rates varying as much as 50% from the inside to the outside of a boom.

TEN-INCH NOZZLE SPACING cuts off-target applications in half. This spacing also allows for more efficacy because of increased overlap of the spray patterns.

THE DYNAJET SYSTEM is incorporated into the Matrix 908 controller, eliminating extra cabling and separate controllers.

TERRASTAR-C PRO with sub 2 in (5 cm) high-position accuracy significantly lowers convergence times to 90 seconds or less.

DEDICATED SPRAY VEHICLES

SPRAY STAR SERIES

Smithco features an all-star lineup of sprayers that bring a level of technology, productivity, and money-saving benefits to suit any course and any budget.

Additionally, Smithco's exclusive partnership with TeeJet Technologies and their Dyna-Jet pulse-width modulation advanced rate control and nozzle system allows you the most control over rate, spraying speed, pressure and droplet size. You can spray consistently across your course regardless of terrain, shape or sizing of the surface area; ensuring your course is thriving with greens any golfer would keep coming back to.

Smithco has the lightest footprint with the toughest sprayers in the turf maintenance industry. Made with durable materials, your Smithco turf sprayer is built to last in the most rugged environments for years to come.

Smithco | WE TAKE YOUR
TURF SERIOUSLY

➤ SPRAY STAR 1110



SPRAY STAR 1110

Hydrostatic traction-driven spray vehicle
Most compact and maneuverable fine-turf spray vehicle made with the lightest footprint

- 110 gal (416 L) capacity with elliptical polyethylene spray tank
- 23 hp (17 kW) Vanguard® gasoline engine
- High-volume stainless steel centrifugal spray pump
- Less than 8.5 psi footprint fully loaded
- Choice of manual, electric, auto-rate control, or advanced rate controller with GPS

▶ SPRAY STAR 1200

200 GALLON CAPACITY



SPRAY STAR 1200

Hydrostatic traction-driven spray vehicle
Largest dedicated spray vehicle in its class

- 200 gal (757 L) capacity with elliptical polyethylene spray tank
- 35 hp (23 kW) twin-cylinder, big-block Vanguard® gasoline engine
- High-volume stainless steel centrifugal spray pump
- Spray control options include manual, TeeJet 744A electric, TeeJet 8140 auto-rate, Star Command I or Star Command II GPS
- Open-design operator platform for superior visibility to the operator's environment and to boom sections

EFFICIENCY

Save time and money with the Spray Star 1200. The most productive spray technology at your fingertips.

PRECISION

GPS-enabled with our state-of-the-art Star Command system ensures a precise application every time.

STRENGTH

Superior construction and materials combine to ensure industry-leading longevity across our product lines.



► **SPRAY STAR 2000**

SPRAY STAR 2000 DIESEL

Lowest profile in its class

- 200 gallon (757 L) capacity with low-profile fiberglass tank
- 24.5 hp (18.5 kW) Kubota diesel engine
- High-volume stainless steel centrifugal spray pump
- Choice of manual, electric, auto-rate control, or advanced rate controller with GPS



▶ SPRAY STAR 3180

318-GALLON CAPACITY

HYDROSTATIC TRACTION-DRIVEN SPRAY VEHICLE

- 318 gal (1204 L) capacity with low-profile fiberglass tank
- 55 hp (41 kW) Kubota direct injection gasoline engine
- High-volume stainless steel centrifugal spray pump
- Choice of manual, electric, auto rate control, or advanced rate controller with GPS

SPRAY STAR 3180

TURN COMPENSATION corrects flow to keep application rates on target. This allows for operators to avoid straight-line applications on contoured areas and maintain complete control of rate variations throughout the boom.

TEN-INCH NOZZLE SPACING increases your spray accuracy with pin-point precision, saving on chemical costs and boosting your efficiencies.

VIRTUAL, ON-SCREEN NOZZLE

CONTROL by TeeJet® Matrix field computers operates up to 100 nozzle sections that can be controlled individually, eliminating the need for extra cabling.

THE DYNAJET SYSTEM is also incorporated into the TeeJet® Matrix 908 Field Computer, eliminating extra cabling and separate controllers.

TERRASTAR-C PRO with sub 2 in (5 cm) high-position accuracy significantly lowers convergence times to 90 seconds or less.



NEW

➤ 300T TOWABLE SPRAYER



SMITHCO'S NEWEST SPRAYER IS AFFORDABLE AND VERSATILE.

Smithco's unmatched line of spray equipment now includes a towable unit - delivering the same precise spray application you know and trust in an adaptable piece of machinery.

- 300 gal (1,135 L) capacity elliptical polyethylene spray tank
- High-volume, stainless steel centrifugal spray pump
- 10 hp (7.46 kW) gasoline engine
- TeeJet Radion 8140 automatic rate-control system standard

JUST TOW AND GO.



SAND STAR BUNKER RAKES

► SERIES FEATURES

- Perfectly balanced for superior traction & stability
- Five models in both 2- and 3-wheel drive systems powered by gasoline and diesel engines or 48-volt lithium-ion electric drive system
- Hydraulic or electric control of center- and rear-mounted implements
- Widest range of implements for sand grooming, rolling, spiking, brushing fine turf, construction, renovation, debris management and standing water management
- Optional certified ROPS with seat belt and work lights

For implements and accessories, visit www.smithco.com



► SAND STAR MODELS

SAND STAR I

2-wheel parallel hydraulic drive system | 16 hp (12 kW) OHV Vanguard gasoline engine | Mechanical steering | Hydraulic control of center and rear-mounted implements | Optional certified ROPS

SAND STAR II

3-wheel parallel hydraulic drive system | 18 hp (14 kW) OHV Vanguard gas engine | 2- or 3-wheel drive selector valve | Mechanical steering | Hydraulic control of center- and rear-mounted implements | Optional certified ROPS

SAND STAR IV

3-wheel series parallel hydraulic drive system | 18 hp (14 kW) OHV Vanguard gas engine | Hydraulic power steering | Hydraulic control of center- and rear-mounted implements | Optional certified ROPS

SAND STAR DIESEL

Smithco exclusive

3-wheel series parallel hydraulic drive system | 18 hp (14 kW), 3-cylinder, liquid-cooled Kubota diesel engine | Hydraulic power steering | Hydraulic control of center- and rear-mounted implements | Optional certified ROPS

SAND STAR ELECTRIC

Smithco exclusive

2-wheel, 48-volt lithium-ion mechanical drive system | Mechanical steering | Electric control of rear-mounted implements - optional electric control of center-mounted implements | Battery charger included

DIESEL OR ELECTRIC SMITHCO'S POWER OPTIONS ARE EXCLUSIVE TO THE INDUSTRY

▶ DIESEL POWER

Smithco's diesel power bunker rakes feature an extended engine life compared to conventional gasoline engines. With diesel power, you get increased torque and reduced maintenance on your vehicles.

▶ ELECTRIC POWER

The Sand Star E with 48-volt alternating current (AC) drive system offers extended run time on a single charge. It includes a 5-year warranty on the lithium-ion battery pack, rated at 3500 charge cycles. Electric power is virtually noiseless in operation with zero emissions and includes a 6 hp (5 kW) continuous-duty traction motor.



**ROBUST
LITHIUM-ION
BATTERY**



SAND STAR E 48V

Smithco has been proudly manufacturing top-of-the-line bunker machines and groomers for over 40 years. Our commitment to cutting-edge technologies and environmentally-conscious products, such as the Sand Star E 48V Electric, places our equipment in a class of its own. Smithco's bunker rakes will meet any and all of your needs.

ECO-FRIENDLY

The Sand Star E 48V, equipped with a lithium-ion battery pack, offers the quietest and most eco-friendly groomer in the market.

TECHNOLOGY

The Sand Star E 48V is equipped with an industrial-grade motor and controller. The onboard diagnostics exceed all industry standards.

DURABILITY

Superior construction and materials combine to ensure industry-leading longevity across our product lines.



SWEEPERS AND VACUUMS

➤ SWEEP STAR 48

- 18 hp (13.4 KW) Vanguard® gasoline engine
- Hydraulic-drive prime mover
- 48 in (122 cm) terrain-following sweeper head fitted with either rubber fingers or nylon brushes, hydraulic lift/lower, mechanically driven
- 1.75 yd³ (1.3 m³) debris hopper, with hydraulic high-lift dump to 5 ft, 5 in (1.7 m) for depositing debris into trailers, trucks, garbage bins or ground dump
- 3-wheel design for zero-turn radius
- Hydraulic controls conveniently located at operator's station
- Mechanical steering with tilt-wheel feature

➤ SWEEP STAR 60

- Choice of 35 hp (23 kW) Vanguard® twin-cylinder, gasoline engine or 19 hp (15 kW) Kubota three-cylinder diesel engine
- 3 yd³ (2.2 m³) high-lift dump debris hopper with lift to 6 ft, 4 in (1.9 m)
- Hydraulic power steering
- Hydrostatic variable speed pump with direct coupling to engine
- Single-hydraulic traction pedal for forward and reverse drive
- Hydraulic levers to lift/lower debris hopper, open/close debris hopper tailgate and raise/lower of sweeping mechanism head assembly.
- Hour meter and ammeter



➤ SWEEP STAR 60 QUAD

- 35 hp (23 kW) Vanguard twin-cylinder OHV gasoline engine with double-action, remote air intake system
- Hydrostatic drive, four-wheel design with front leaf spring suspension
- 3 yd³ (2.2 m³) high-lift dump debris hopper with lift to 6 ft, 2 in (1.8 m)
- Hydraulic power steering
- 60 in (152 cm) wide sweeper head fitted with either a rubber finger reel or a nylon bristle brush reel for debris removal
- Adjustable sweeping height, terrain-following sweeper head fitted with dual caster wheels
- Rollover protective structure ROPS with operator seat belt



INDUSTRY-LEADING DEBRIS MANAGEMENT PRODUCTS

EFFICIENCY AND VERSATILITY

► SWEEP STAR V62 SWEEPER VAC

- 23 hp (19 kW) Vanguard twin-cylinder gasoline engine
- 62 in (158 cm) terrain-following sweeper head fitted with either rubber fingers or nylon brush with hydraulic drive
- 4 yd³ (3 m³) debris hopper with hydraulic operation of hopper door
- Steel impeller compacts debris prior to exhausting into the hopper
- Impeller housing inspection port
- Replaceable corrosion-resistant liner in impeller housing
- Adjustable control console allows operator to control every function of the sweeper from the seat of the tow vehicle, with the exception of the engine choke



- Optional dust and dirt filtration system
- Optional hand intake hose kit with suction nozzle (12.5 ft [4 m] length x 8 in [20 cm] diameter)
- Optional hydraulic lift system for sweeper head

► SWEEP STAR V62-V

- 23 hp (19 kW) Vanguard twin-cylinder gasoline engine with electric start; direct belt drive to impeller
- 4 yd³ (3 m³) towed vacuum
- 62 in (158 cm) swath terrain-following intake head
- Impeller housing inspection port
- Replaceable corrosion-resistant liner in impeller housing
- Electric/hydraulic actuator operates hopper door, remote-mounted switch
- Large turf tires for a light footprint on fine turf
- Optional dust and dirt filtration system
- Optional hand intake hose kit with suction nozzle (12.5 ft [4 m] length x 8 in [20 cm] diameter)



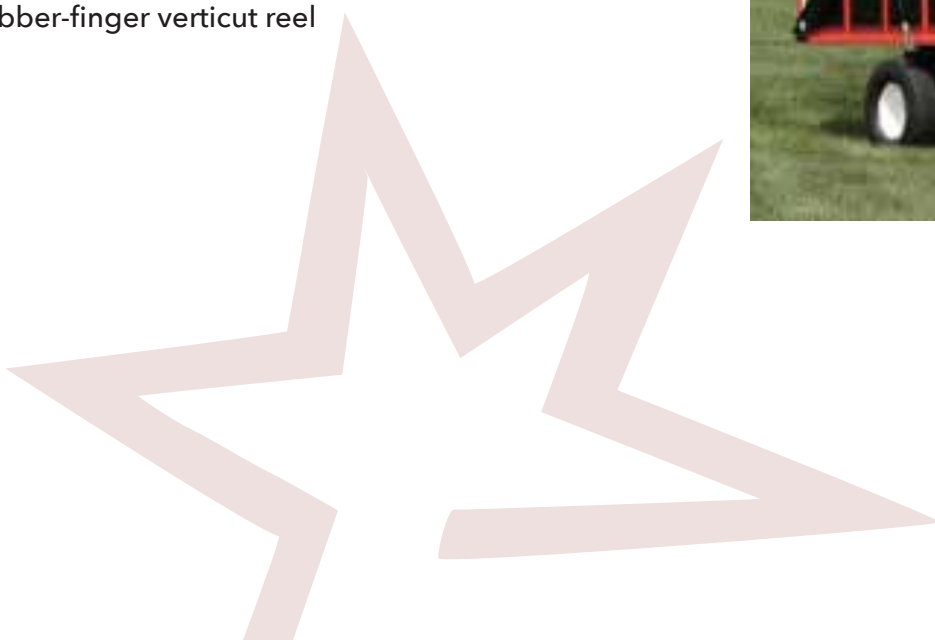
➤ SWEEP STAR V72 SWEEPER-VACUUM PTO DRIVE

- 7 yd³ (6 m³) debris hopper with hydraulic, ground-level dump
- 72 in (183 cm) terrain-following sweeper head. Choice of rubber fingers, nylon brushes, or combination sweeper/verticut head
- Hydraulic drive sweeper head
- Remove debris and verticut in single pass
- Self-contained hydraulic system – only two connection points to tractor (minimum 40 hp [29.4 kW] required)
- Mechanical drive to steel vacuum impeller
- Oversize turf tires for a light footprint on fine turf



➤ SWEEP STAR V72-E ENGINE DRIVE

- 35 hp (23 kW) Vanguard® twin-cylinder gasoline engine
- 7 yd³ (6 m³) debris hopper with hydraulic ground level dump
- Mechanical drive vacuum impeller Hydraulic drive 72 in sweeper head
- Choice of rubber finger reel or combination rubber-finger verticut reel





Fairway Rolling for Longer Ball Roll and Higher Savings

“Research confirms that fairway rolling results in firmer surfaces; which should lead to a longer ball roll. Most importantly, it significantly decreased clipping yield, localized dry spot and dollar spot which should lead to economic savings.”

*-Dr. Thomas Thomas A. Nikolai,
Ph.D. College of Agriculture,
Michigan State University*



FAIRWAY ROLLERS

▶ ULTRA-10

- 3-gang tow-behind design
- 10 ft (3 m) swath that provides 12 acres (4.9 hectares) an hour of productivity at 10 mph (16 km/hr)
- 100 gal (378 L) ballast tank
- Available in either a self-contained configuration (integrated electric/hydraulic power system) or remote hydraulic configuration (utilizing hydraulic power system from tow vehicle)
- Optional Spiker Reels

▶ ULTRA-15

- 5-gang tow-behind design
- 15 ft (4.6 m) swath that provides 18 acres (7.3 hectares) an hour of productivity at 10 mph (16 km/hr)
- 150 gal (567 L) ballast tank

RESEARCH AT MICHIGAN STATE UNIVERSITY

Results from a two-year fairway rolling study conducted by Dr. Thomas Nikolai at Michigan State University using a Smithco Ultra 15 Fairway Roller with a filled 150-gallon (568 L) water-ballast tank.

- Fairway rolling decreased clippings yield on research fairways moved two times per week compared with fairways mowed three times per week and not rolled.
- Fairway rolling also increased volumetric moisture content which significantly reduced localized dry spots.
- Results indicate fairway rolling is agronomically sound and fiscally responsible and can lead to reduced inputs and economic savings on fairways.
- Additionally, surface firmness was increased on rolled fairways which results in longer ball roll and, most likely, increased divot fill-in on stoloniferous fairways.



GREENSROLLERS

▶ TOURNAMENT XL 7000 ULTRA-WIDE GREENSROLLER

The most productive, most powerful and quietest wide-area greensroller on the market today!

- 16 hp (12 kW) Vanguard twin-cylinder gasoline engine. Two cylinders reduce vibration to the operator's station and dramatically reduce engine noise levels.
- Triple hydraulic motors are direct coupled to the roller cylinders for improved traction in both directions. No excessive wear items or time-consuming chain maintenance required.
- 70 in (178 cm) rolling swath to maximum 9 mph (14.5 km/h)
- Hydraulic power steering
- Optional 70 in (178 cm) brush kit to work top dressing into the soil profile
- Optional LED work light kit





TOURNAMENT ULTRA MODEL 7580 AND ULTRA MODEL 7590 GREENROLLERS

- 16 hp (12 kW) Vanguard twin-cylinder gasoline engine. Two cylinders reduce vibration to the operator's station and dramatically reduce engine noise levels.
- Dual hydraulic motors are direct coupled to roller cylinders for improved traction in both directions. No excessive wear items or time consuming chain maintenance required.
- 36 in (92 cm) rolling swath to maximum 9 mph (14.5 km/h).
- 7580 equipped with mechanical steering and tilt steering wheel
- 7590 equipped with hydraulic power steering and tilt steering wheel
- Optional brush kit to work top dressing into the soil profile with two 36 in (92 cm) nylon brushes
- Optional LED work light kit
- Optional spiker kit



TOURNAMENT ULTRA LITE GREENROLLER MODEL 7576

The lightest-weight dual roller drive greensroller on the market at 650 lbs (295 kg).

- 8 hp (6.5 kW) Honda gasoline engine with electric start
- Dual hydraulic motors are direct coupled to roller cylinders for improved traction in both directions. No excessive wear items or time consuming chain maintenance required.
- 36 in (92 cm) rolling swath to maximum 9 mph (14.5 km/h)
- Mechanical steering
- Optional brush kit to work top dressing into the soil profile with two 36 in (92 cm) nylon brushes
- Optional LED work light kit
- Optional spiker kit



- Available in 60 in (152 cm) and 78 in (198 cm) widths
- Choose between pull-type or 3-point hitch-mounted frame
- Pull-type outfitted with hydraulic lines directly to tow-vehicle or an electric/hydraulic power pack

AER-8

BENEFITS OF AERATION

- Essential for healthy turf maintenance
- Increased oxygen
- Heightened root growth
- Compaction relief
- Unwanted thatch removal
- Improved water filtration and gas exchange

TURF QUAKE



A 7 inch (18 centimeter) tine with a twist and lean to fracture the soil profile laterally and vertically to establish percolation. It is available on both 5 inches (13 centimeters) and 7.5 inches (19 centimeters) centers.

ALL STAR



A 6 inch (15 centimeters) tine, available on 5 inches (13 centimeters) and 7.5 inches (19 centimeters) centers, used to manage surface compaction and maintain infiltration rates all season. We recommend this tine be used in conjunction with the smoothing roller for optimal depth setting and maintenance of surface playability.

AER-FINE



This ultra-thin tine, on either 3 inch (8 centimeter) or 5 inch (13 centimeter) centers, is used to manage thatch between verticutting or coring-tine treatments. Reduces run off and maintains infiltration rates on greens, approach areas and bent grass fairways. We highly recommend using the smoothing roller with the Aer-fine tine.

CORING TINE



A 3/4 inch (2 centimeter) x 4 inch (10 centimeter) tine, on either 3 inch (8 centimeter) or 5 inch (13 centimeter) centers, used for the soil preparation for top-dressing and over seeding, or for dethatching. Major advantages include the variable ballast weight and high aeration speed.

Smithco | WE TAKE YOUR
TURF SERIOUSLY



CENTAUR
ASIA PACIFIC

Hong Kong | Singapore | Malaysia | Australia

Email: info@centaur-asiapacific.com

Website: www.centaur-asiapacific.com

