

Greensmaster® Flex 21





Greensmaster Flex 21

The new Toro® Greensmaster® Flex 21 delivers better looking, better playing greens. Designed to perform on any green, even the most severely undulated putting surfaces, the Flex 21 virtually eliminates the fear of scalping, allowing you to cut lower than you ever dared before. Its revolutionary flexible cutting unit excels on traditional bent and bermuda, as well as on new ultra dwarf grasses including the Penn A & G Series, TifEagle, and Champion. Take a look at the features that deliver a more predictable, faster and truer ball roll.

- Independent traction unit and flexible 21" cutting unit closely follow undulations, virtually eliminating scalping
- Innovative design and constant bedknife attitude allows a remarkable 1/16" height of cut
- New single-lever, dual-function control makes it easy to engage the traction and reel drive with a twist of the wrist
- Grass basket attaches to the traction unit, not the cutting reel, to distribute weight evenly over two rollers rather than one, reducing gouges or ridges on your greens
- Simple two-bolt connection allows for quick removal of the cutting unit for grinding or changing units for topdressing
- Unique traction drum tapers at the outer edges to alleviate overlap marking on the cutting path
- No grease zerks, plus multi-lip seals and a new gear box keep grease off the green and set new standards in ease of maintenance
- An extruded aluminum cutting unit frame offers strength, rigidity and creates the industry's shortest footprint with a mere 8.75" between rollers reducing scalping



REVOLUTIONARY MOVEMENT FLEXIBLE DRIVE SHAFT COUPLERS



THE REVOLUTIONARY MOVEMENT of the Flex 21 is made possible through dual axis suspension and flexible drive shaft couplers. The individual traction and cutting units are attached at two center pivot points so the cutting head can pivot forward and back, and side to side around the bedknife centerline.



FLEXIBLE
DRIVE SHAFT
COUPLERS allow
the cutting unit
to flex on the
center axis.



A DUAL-FUNCTION LEVER controls both the traction and reel. Plus a new clutch design makes it easy to engage the reel with a simple twist of the wrist.



THE CUTTING UNIT sets back roller down softly first, then front, like an airplane landing, to prevent gouging.

THE UNIQUE POSITIONING of two rollers tucked closer to the reel and rear drum means you're far less likely to mark an undulating green.



TAPERED DRUM

NEW GEARBOX & CLUTCH DESIGN

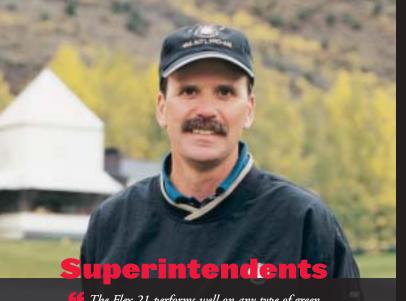


A NEW GEARBOX AND CLUTCH DESIGN lets you

free-wheel around the shop and take on or off trailers with ease. Sealed bearings with multi-lip seals mean no greasing. Ever. Which also means no grease on your greens.

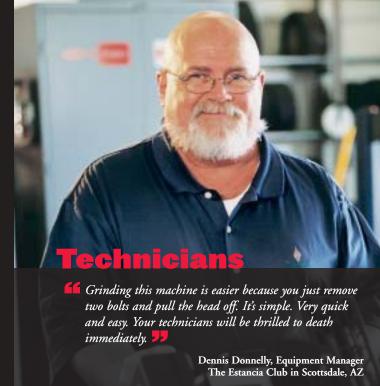


R° FLEX 2



The Flex 21 performs well on any type of green whether it's flat, a bowling green or a severely contoured green. Toro combined the good ideas from superintendents and technicians, and put them together into this machine.

Kevin Ross, CGCS Country Club of the Rockies in Vail, CO



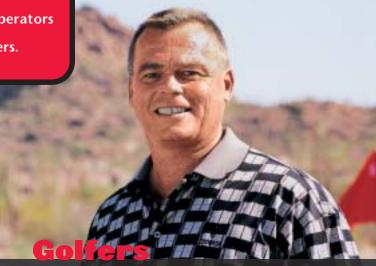
The revolutionary
Greensmaster Flex 21
is built to meet the
unique needs of
superintendents,
technicians, operators
and golfers.





It's simple for my operators to understand how to run the Greensmaster Flex 21, which in turn makes it easy to train operators because it's a very user-friendly machine.

Allan Pulaski, Director of Golf Course and Grounds Maintenance The Landings Club in Savannah, GA



Our golfers are pleased. We have a very demanding membership. A lot of our members belong to other courses like Pine Valley, Cyprus Point, Augusta. They really praise our greens. In fact, we've had other clubs come here just to take a look at our greens.

Carl Rygg, CGCS, Director of Golf Operations The Estancia Club in Scottsdale, AZ







The Greensmaster® Flex 21 meets the needs of:

Superintendents

- Cut lower
- Even cut on undulations
- Less mechanical marking

Technicians

- Easy and quick to maintain
- Versatile
- Holds critical adjustments better

Operators

- Easy to use
- Easy to train
- Worry-free operation

Golfers

- Faster greens
- Truer ball roll
- Predictable putting

Greensmaster® Flex 21 Specifications (model 04021)

Kawasaki®, 4-cycle, 3.7 hp (2.7 kW), air-cooled OHV engine, 3600 rpm. Displacement: 7.57 cu in. (124 cc). Cast iron Engine

cylinder sleeve. Electronic ignition. Maximum noise suppression muffler, 83 dB(A) at operator's ear.

Fuel Capacity 2.64 quarts (2.5 liters) regular grade unleaded gasoline.

Gear Box Traction Drive: Integral gearbox assembly directly mounted to the engine. The traction drive consists of a constant mesh

planetary gear reduction incorporating a wet bath band-type clutch and brake driving a Peerless® differential assembly integrated into the gearbox assembly. Positive drive belt to traction drum.

Implement Drive: Consistent mesh gear driven countershaft with integral cone wet clutch. Drive shaft consists of two stainless-steel beam couplings for angular misalignment combined with a molybdenum disulfide nylon extension member

to accommodate axial movement. Positive drive belt to reel.

Ground Speed Mowing speed: 1.3-3.5 mph (2.1-5.6 km/h). Transport speed (maximum): 5.3 mph (8.5 km/h).

Traction Drum Dual cast aluminum, 7.5" (19 cm) diameter, tapered on outer 1/3 of length.

Controls Engine mounted: on/off switch, recoil starter, choke. Handle mounted: throttle lever, dual-function traction/reel control

lever, service/park brake lever. Safety devices: neutral interlock system, servicing/park brake, enclosed drive system.

Handle Loop style, 1" (2.5 cm) diameter with easy-pull pin height adjustment, operator selected.

Transport Tires/ Two quick detachable pneumatic tires; 3 x 3.25-6" (8.25 cm) tread width. Kickstand standard equipment. Kickstand

5" (12.7 cm) diameter, 11 blades (high-strength, low-alloy steel, through-hardened, impact resistant). Reel Construction

Semi-floating cutting unit separable from drive unit, pivoting around reel centerline (pitch axis) and pivoting around Suspension

bedknife centerline side-to-side (roll axis).

Width of Cut 21" (53.3 cm).

¹/₁₆₋¹⁹/₆₄" (1.5-7.5 mm). Height of Cut

Clip Frequency 11-Blade/Standard: .16" (4.1 mm), 11-blade w/clip kit: .14" or .21" (3.5 mm or 6.4 mm).

Cutting Unit Extruded aluminum mainframe with cast aluminum side plates.

Construction

Cutting unit detachable from traction unit, dual screw adjustments to reel. Front roller height of cut adjustment with rear Cutting Unit Service/Adjustments roller eccentric leveling. Sealed reel bearings utilizing multi-lip canister seals.

Bedknife Bedknife is high carbon through-hardened steel. Tournament bedknife standard.

Molded polyethylene with integrated graphics highlighting overlap guidelines, vented for high-efficiency collection. Grass Basket

Rollers Front Roller: Aluminum Wiehle® 2.5" (6.35 cm) diameter with sealed bearings and multi-lip seals standard.

Rear Roller: Aluminum full roller 2" (5.1 cm) diameter with sealed bearings and multi-lip seals standard.

Dry Weight 238 lbs. (108 kg) with aluminum Wiehle roller, kickstand and grass basket (without transport tires and groomer).

Two year limited warranty. Refer to the Operator's Manual for further details. Warranty

Products depicted in this brochure are for demonstration purposes only. Actual products offered for sale may vary.

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