

turftroniq

SMARTMOW

Zero Emissions Robotic Fairway Mower

Autonomy for golf courses



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0% Emission, 100% Autonomy



Smart Technology Increases Productivity

Maintenance on busy golf courses is time consuming and requires substantial effort from the greens-keeping staff. Well maintained fairways make the golf course more appealing to players, but frequent mowing is time consuming. With TurfTroniq's SmartMow the mowing is done autonomously and unattended. This saves a lot of time and frees up labour for other important jobs. SmartMow will deliver consistent results, day or night. Moreover, SmartMow is 100% electric, silent, and sustainable. SmartMow is your ideal helper; getting things done quickly, accurately, and with great consistency.

Ultimate Ease of Use

SmartMow uses TurfTroniq's Robotic Mowing technology. It uses the layout of your golf course that you record once with SmartMow. You can then simply compile mowing routes with different mowing patterns: stripe in different mowing directions, two-tone, or curved stripes. Mowing routes are calculated automatically, including transport from mowing area to mowing area. To mow, choose the desired mowing route, drive the machine on the route, and press 'Start'. It's easy as that! When the machine is ready, the machine stops, the brake is engaged, and a notification is sent to you.

Safety First

SmartMow is equipped with extensive safety features. The system monitors itself and stops the machine when there is an obstacle in front of or behind the machine using state-of-the-art 360° obstacle detection. In addition, the machine is equipped with self-diagnosing bumpers and remote start/stop.

Perfection

TurfTroniq SmartMow mows with centimeter precision, straight and accurate mowing passes, and a smooth clean up lap. Mowing is consistent and the gentle turns contribute to unparalleled quality of work. With SmartMow you always get the desired result: Perfection!

Specifications - SMARTMOW

Drive train: Fully electric, permanent AWD, electronic differential, >20kW at wheels.

Braking: Electro-mechanical brakes on both front wheels

Steering: Electric steering rear wheel, zero-turn capable

Tires: Front: 26x14.00-12/4PR tubeless, smooth

Rear: 24x13.00-12/4PR tubeless, smooth

Battery: LiFePO4 48V, scalable from 15.4 kWh to 61.4 kWh

Charger: 50A Charger 220VAC input, Max 15A, optionally 80A charger at 380VAC

Run time: >4 hours per battery (>4, >8, >12 or >16 hours)

Cutting units: 5 units, electric, 5" or 7" diameter 8 or 11 blades, 100" width of cut

Speeds: Transport speed 14.5 KMPH, mowing speed adjustable 5-10 KMPH

Lift/Lower: Five maintenance free electric linear actuators

Dimensions: Length 3.2M - Height 2.06M - Width 2.9M (mow)/ 2.13M(transport)

Weight: 1,125 – 1,550 kg depending on battery package, including five complete 7" cutting units

Electronics: TurfTroniq machine control system with manual control platform and 3.5" display. Electronic differential, integrated stability control and traction control

Navigation: TurfTroniq Robotic Mowing System (RMS) with 8" touch screen display and TurfTroniq Premium RTK GNSS receiver located under front cover

Safety: 360° obstacle detection, emergency stop, self diagnosing bumpers, failsafe monitoring software.

Connectivity: 4G connectivity, TurfConnect App available for Android and iOS.



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